CHEMIST AND DRUGGIST

or RETAILER — WHOLESALER — MANUFACTURER
OCTOBER 11, 1952



your customers will remember

'ZEPHROL

trade mar

brand

cough syrup

because of its rapid effectiveness in relieving irritating coughs, and because of its palatability. Retail Price

Containers of 2½ fl. oz. 2s. 0d.

BONUS TERMS ARE AVAILABLE FROM WHOLESALERS IN RETURN FOR DISPLAY SERVICES, ATTRACTIVE SHOWCARDS AVAILABLE ON REQUEST.

manufactured by



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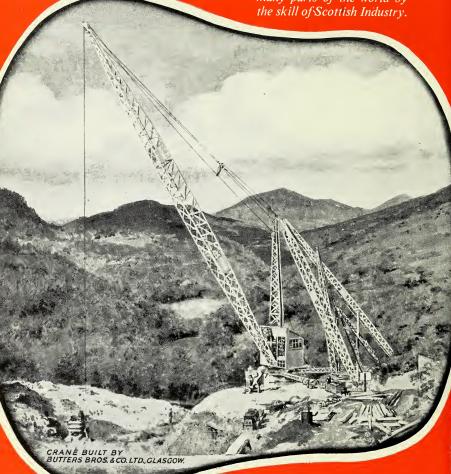
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William distributors William d

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD DAGENHAM

THE CHEMIST AND DRUGGIST October 11, 1952 A FINE TRADITION —

maintained and upheld in many parts of the world by



T.&H.SMITH LTD.

BLANDFIELD CHEMICAL WORKS

EDINBURGH · SCOTLAND

For Fine Chemicals and Pharmaceutical Preparations including

OPIATES SANTONIN **PILOCARPINE ERGOT PREPARATIONS MAGNESIUM TRISILICATE**

GLAXO STANDARD PARCELS bring you

The "extras" that go with Glaxo Standard Parcels are real business assets. They include generous discounts ... convenience of ordering ... prompt delivery . . . and, with many parcels, colourful display material.

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in units of 12 tins

Saving Convenience displays

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ADEXOLIN CAPSULES	2*	I doz. × 100	£2 8	0 net
ADEXOLIN LIQUID	4*	2 doz. $\times \frac{1}{2}$ -oz.	£1 16	0 net
ADEXOLIN LIQUID	5	I doz. × 2-oz.	£2 8	0 net
ADEXOCAL TABLETS	. 3*	I doz. × 50	£I 6	8
ANETHAINE OINTMENT	1*	l doz. ¾-oz. tubes	£I 8	0 net
FERSOLATE	1	2 doz. × 100	£I 4	0+P.T. 9/-
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MINADEX	2	I doz. \times 12-oz. bots.	£1 14	8+P.T. 13/-
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OSTOCALCIUM TABLETS	j*	2 doz. × 50	£1 16	0
OSTOCALCIUM TABLETS	2*	I doz. × 100	£1 12	0
CASILAN	2	I doz. $ imes$ 8-oz. tins	£2 0	6 net
FAREX	5	2 doz. × 10-oz. ctns.	£1 4	0 net
GLUCODIN	11	2 doz. × I-lb. ctns.	£2 5	4 net
OSTERMILK (No. 1 and No. 2)	2 doz. or			(9)

^{*} Packed with display outers

3 doz. × 16-oz. tins, £1 15 8 per doz.

4 doz. × 16-oz. tins, £1 14 2 per doz.

Please order parcels direct from Greenford, quoting your wholesaler's name for invoicing purposes

GLAXO LABORATORIES LIMITED, GREENFORD, MIDDLESEX BYRon 3434



DISPEL

sells for 2/-



HAVE YOU HAD YOUR FREE BOTTLES?

BONUS of 6 in display carton in every case of 3 dozen Quick-Wick bottles ordered from your wholesaler before October 31st. Ask your wholesaler about this today or write us giving wholesaler's name and address.

WHOLESALERS WHO HAVE NOT YET HAD DETAILS PLEASE WRITE,

Look out for big advertisements in the "Daily Mail," "Daily Express," "Daily Mirror," etc.



Provides 2 fillings. Push refills from the start — your customers like the economy!

DISPEL

AIR-REFRESHER

ADVANCE INDUSTRIES LTD.
Associated with the British Permanent Starch Co. Ltd., 87, Regent Street, London, W.1. REGent 3955



Crookes Hand Cream is both a skin food and preservative. Unlike some creams it is not heavy and does not "drag" the skin: on the contrary there is just the right amount of "slip". It does not leave the hands oily or greasy and is quickly absorbed. It is nourishing, softening and soothing: it is, in fact, good for the skin. Crookes Hand Cream is equally good for softening and feeding the nails and cuticles. It is pleasantly and lightly perfumed. An attractive counter display containing one dozen tubes and also a small showcard displaying a single tube are available.

Selling price: 3/4 (inclusive of 100% P.T.)

CROOKES Hand Cream



IN THE NEW PATENT NON-CRUSHABLE TUBE

BONUS TERMS:

331% discount and 14 to the dozen - for a limited period only



Introducing

TO THE

CHEMISTS' AND ALLIED TRADES

the new and distinctive Trade Mark design that will be a future guarantee of quality to all buyers of

CHEMISTS' PRINTING

Your Enquiries will be appreciated

ALF. HARRISON & SONS LTD.

MEDICAL, CARTON & COLOUR PRINTERS **BURLEY ROAD, LEEDS, 4**

Phone: LEEDS 52668/9 Grams: "IDEAS" LEEDS

dispensing packs of 100. Ointment, tubes of 11 oz.

POWDERS AND TABLETS

Sell Readily and Steadily!

Backed by forceful and continuous advertising!

NEWS More aid to the Trade! New range of 'point of FLASH! sale' advertising material available!

Trade enquiries to: CEPHOS LTD. BLACKBURN



The best known and most widely pre-Suppositories: boxes of 12, 4/6 scribed preparation for the safe alleeach; Trade Price 32/6 per doz. viation of hæmorrhoids and similar exclusive of P.T. For dispensing only in containers of 100, 16/8 rectal conditions; available as Supeach, 200 |- per doz., not subject to positories in boxes, or in tubes as an Purchase Tax. Ointment. Like all the Warner Ointment: tubes of 1 toz., 4/6 each; Products, Anusol Suppositories and Trade Price 32/6 per doz., exclusive of P.T. Ointment are strictly ethical, being advertised only to the Medical and allied professions. They are freely Inusol. asmorrhoidel prescribed under the N.H.S. Suppositories, boxes of 12 and

WILLIAM R. WARNER & CO. LTD., POWER ROAD, LONDON, W.4

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ORDER NOW

* ON BONUS TERMS

ESoBACTULIN gives the best protection from Colds when taken early in the Autumn. Recommend your customers to take their first course NOW.

6 Capsules taken over 5 days give most people immunity for 3 months.

NOW BEING ADVERTISED

RETAIL 8/3 inc. tax

33\frac{1}{3}\% DISCOUNT

* PLUS BONUS

13 to the dozen

SUPPLIED THROUGH YOUR WHOLESALER

ESÕBACTULIN

SOUTHON LABORATORIES LTD., 88 Upper Richmond Road, London, S.W.15

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USED BY LEADING **ATHLETES** IN EVERY FIELD OF SPORT

A. L. SIMPKIN & CO. LTD. SHEFFIELD, 6

Simpkins VITAGLUCOSE





THE CHEMOTHERAPY OF TUBERCULOSIS

'PYCAZIDE'

ISONIAZID

(ISONICOTINIC ACID HYDRAZIDE)



Clinical trials carried out in Great Britain and the United States confirm experimental evidence that this substance has an anti-tubercular activity of a very high order. Further trials, at present in progress, using isoniazid alone or in combination with other anti-tubercular drugs, are designed to investigate the factors governing investigate the factors governing the development of resistance to the drug. It seems likely that much of the future clinical work with isoniazid will be concerned with combination therapy. Supplies of 'PYCAZIDE' are available to meet all prescription demands.

'PYCAZIDE' is supplied as

TABLETS of 50 mg. Containers of 100, 500 and 1,000.

AMPOULES Sterile aqueous solution containing 50 mg. in 2 ml. Boxes of 12 and 50.

SYRUP (Blackcurrant flavoured). The formulation of this syrup has been devised in order to permit greater flexibility of dosage than is possible with 'PYCAZIDE' tablets. One teaspoonful is approximately equivalent to 20 mg. of isoniazid. Bottles of 20 and 80 fl. oz.



For further details please write to:

HERTS PHARMACEUTICALS LIMITED

WELWYN GARDEN CITY, HERTS_

COX of BRIGHTON offer years of specialized experience in PILL & TABLET making



Every description and in any quantity FOR HOME AND EXPORT MARKETS

Introducing

Hypersyl

IN Introducing Hypersyl Brand of Heavy Basic Magnesium Triscilicate, we offer an improved therapeutic agent for the treatment of the various undetermined types of indigestion met with in general practice.

Extensive medical propaganda is being undertaken which should result in a big demand on prescriptions.

Sold in 4-oz. containers retailing at 4/7d.

Supplies available from:

GORDON MURRAY & Co. Ltd. (Manufacturing Chemists)
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CARNEGIE

Manufacturers of Fine Chemicals



specialize in the manufacture of

AMINOPHYLLINE

CAFFEINE ALKALOID and its Salts

HYDANTOIN DERIVATIVES

PARA-AMINO-SALICYLIC ACID and its Sodium Salt

THEOBROMINE ALKALOID and its Salts

SYNTHETIC ORGANIC CHEMICALS

ETC.

CARNEGIE ORGANICS LTD

WELWYN GARDEN CITY: HERTFORDSHIRE: ENGLAND

TELEGRAMS: CARNEGANIC, WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

A 'CARNEGIES OF WELWYN' COMPANY

TK'S MONTHLY

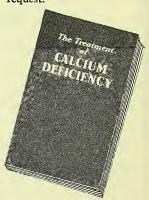
Consistently Good Tablets

The rapid flow of tablets from a modern machine gives a most misleading sense of ease and simplicity. How straightforward it all seems! But behind that easy flow lies a long experience of every type of drug and its manipulation. The production of consistently good tablets is really dispensing on the large scale, with all the care, skill and detailed knowledge which the word implies . . . and it has been estimated that a third of all prescriptions calls for this form of medication. Insist on Kerfoot Tablets for your dispensing department.



Caldecium Booklet New Edition

The Caldecium booklet is now available in a new edition with an attractive bright blue cover Copies are available for local doctors and dentists on request.



A new dress for the Vapex Inhaler

The convenient hanging card for Vapex Inhalers is now available in a fresh design, right, colourful and attractive. Give it a prominent position and the card itself will do the rest.

what do the rest.

Last season, in an emergency, we had to use green caps and bases instead of black. The effect was so good that it has now been decided to make green the standard. Another experiment, now confirmed, is the general use of the popular pocket clip. The retail price is 2/- complete.

Mewsletter



Autumn brings increased demand for Kerfoots Pastilles

ISONIAZID TABLETS

One of the latest additions to the very comprehensive list of Kerfoot Tablets is Isoniazid, the more convenient name given to Isonicotinyl Acid Hydrazide.

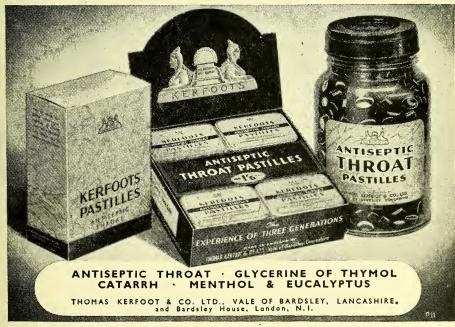
Early reports suggest that this new drug is likely to prove of considerable value in the treatment of tuberculosis It is active when given by mouth, and the daily adult dose is from 2-6mg. per kilo body weight. Isoniazid is issued in tablets of 50mg. in bottles of 100 and in bulk.

If you have not already done so, now is the time to look to your stock of Pastilles in the "Marble" Series—evergreen in more ways than one. It is a distinctive pack for distinguished products and it is well worthy of a prominent place on your counter, with a set of show-jars close at hand for sales by the ounce. In addition to the Pastilles mentioned below, Throat & Chest Lozenges and Peppermint Lozenges are supplied in "Marble" tins and a variety of lozenges in show jars.

THIS MONTH'S PERSONALITY



MR. W. R. HEYWORTH, M.P.S. Mr. Heyworth became a Kerfoot Representative in 1947 after a wide exprience in pharmacy on both sides of the counter. His present territory includes the greater part of Yorkshire





works wonders

Retailers have been quick to see the fine sales possibilities in Perivale Chilblain Ointment at the new reduced price of 1/10d. per tube.

Though priced so advantageously, Perivale Chilblain Ointment remains today's most successful remedy. Its formula is of course that adopted by the War Office after extensive research into chilblain treatment. Now is the time to stock up for the winter season!

Generous quantity discounts. Remember that Perivale Chilblain Ointment can be included with other Keldon lines to qualify for the usual generous quantity discounts.

Perivale — chilblain ointment

RETAIL 1/10 PER TUBE (INCLUDING P.T.) TRADE 12/- PER DOZ. (PLUS 4/- PER DOZ. P.T.)



GALENICALS of QUALITY

Now is the time to review your stock for the Winter

write for quotation to

RICHARD DANIEL & SON LTD

MANUFACTURING CHEMISTS

MANSFIELD ROAD DERBY Tel: 48266 (4 lines)

AND GROSVENOR ST., ASHTON-U-LYNE Tel: 2816 (3 lines)

USE THIS POST FREE DONATION FORM--

NO STAMP is required on the envelope in which your donation is enclosed if addressed as under, and posted during October.

то: The Lord Mayor KING GEORGE VI NATIONAL MEMORIAL FUND

London, E.C.4

	I encl	ose a c	lonation	of L	
Name					
Address	••••••				

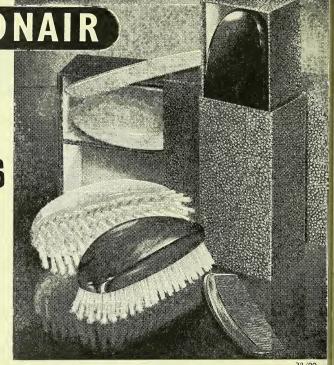
(PLEASE WRITE IN BLOCK LETTERS)

N.B. Cheques and Postal Orders should be made payable to King George VI National Memorial Fund and crossed /& Co./

Hughes

DEBONAIR

for Christmas presents



38/90

EBONAIR Brushes for fathers and sons maintain

the high standard of design, quality and finish typical of the whole HUGHES range of personal brushes. In imitation ivory, ebony, and tortoiseshell. Pure bristle or nylon. Deep action brushing. Shagreen type container. Retail: nylon 9/9 each, pairs 17/9.

Pure bristle 18/9 each, pairs 36/-. Combs 6d.

BRUSHES

240/242 BATH ROAD, SLCUGH, BUCKS. PHONE: SLCUGH 23218



She'll be coming into your shop and asking for a bottle of MELLIN'S FOOD.

She'll have seen MELLIN'S advertised in her daily paper, in the Radio Times or her favourite magazine.

She'll be wanting MELLIN'S to build herself up after an illness...or for her husband who suffers from digestive upsets... or for her baby who can't take ordinary infants' foods.

She may know MELLIN'S as an old friend, or she may be one of the younger generation making her first acquaintance with this long famous food which the medical profession has always recommended so highly.

She'll be back soon for another bottle of MELLIN'S... and another — that's if you've been able to meet her original request.

She's one of the many customers who'll be brought to your shop by the powerful advertising for MELLIN'S which is now appearing in the national press and mass circulation magazines.

Make sure you can satisfy her. Make sure you have adequate stocks of MELLIN'S MALTO-DEXTRIN FOOD, selling at 3/6 a large bottle. (Obtainable from all leading distributors).

All enquiries to: MELLIN'S FOOD LTD., (DEPT. 14), 102 NAYLOR ROAD, LONDON, S.E.15. Tel: NEW Cross 3486

Makers of Infants' and Invalid Food for over 80 Years.



Certor Wrapping Papers, in cut sizes and larger sizes, are of good quality at a competitive price. The cut sizes are in Glazed Imitation Parchment—a very suitable paper for the purpose

CUIS	IZES	GLAZED	IMITATION	ON PARCH	IMENT		
	Powders	l oz.	2 oz.	3/4 oz.	6 oz.	8/10 oz.	12/16 oz
Ream	1/9	2/9	3/3	5/3	6/3	7/9	11/-
			INI CAPT	ONIC			

OTHER SIZES

BEST WHITE DISPENSING	Ream	TISSUES	Rean
$17\frac{1}{2}'' \times 22\frac{1}{2}''$ SWEDISH PURE KRAFT	,	Light Green, Dark Green, Light Blue, Dark Blue, Mauve and White	
20" × 30" 15" × 20"	. 30/- . 15/-	$19\frac{1}{2}'' \times 29\frac{1}{2}''$ 8-10 oz. size	
COLOURED SULPHITE Green, Mauve and Claret		COUNTER ROLLS	Eacl
20" × 30"	. 31/6	Green and Lilac, 15"	3 5/
10" x 10"	5/9	Swedish Pure Kraft, 15"	41/

GOODS SENT CARRIAGE PAID IN FREE PACKAGES

Best Quality Dispensing Sundries

MACDONALD & SON LTD., HOPE MILLS, POLLARD ST., MANCHESTER

Of these <u>four</u> people . . .



... three use Sterodent



Of every four people who clean their dentures with a steeping agent, three use Steradent. *

STERADENT is the Reckitt & Colman product specially made to "oxygenclean" false teeth: to drive from every corner and crevice of the denture every trace of film, stain, odour ... safely, completely.

That is why Steradent brings such steady profits . . . from regular

customers who, once they have tried Steradent, keep on buying it in order to keep their dentures thoroughly, "oxygen-clean."

★ Figures from a recent, independent, survey

Steradent
Specially made to
"exygen-clean" false ceeth





Perfume is always a sound bet for the Christmas gift trade—but Nikki de Paris goes one better—genuine French perfumes in really novel eye-catching packs! Money may be tighter this year, but watch these sales-winning novelties pull hard at the pockets and purses of your customers at Christmas! Make sure of your delivery—send in your order now!

Jewelled Perfume Bottle

"Debauche" by Nikki de Paris with the *authentic* Parisian bouquet in the exquisite bottle jewelled with coloured stones.

Wholesale price 60/- per doz. (P.T. extra)
Retail price 12/6 each (inc. P.T.)

The Heavenscent Perfume Harp

Genuine French Perfume in the latest novelty packing. Hear the sweet music it plays on your cash register! Wholesale price 36/-

per doz. (P.T. extra)

Retail price 7/6

each (inc. P.T.)

Filigree Plaque

Genuine French
Eau de Cologne
and Old English
Lavender. A remarkably low-priced
adornment in a variety
of beautiful colours.
Wholesale price 18/per doz. (P.T. extra)

per doz. (P.T. extra)
Retail price 3/9
each (inc. P.T.)



Tantalus Personal Perfume Set

Three subtle French perfumes in personal and intimate packing. The tiny padlock really locks and gives the "Tantalus" an extra air of persuasion which makes women want to own it.

Wholesale price 72 - per doz. (P.T. extra) Retail price 15 - each (inc. P.T.)



Winners for Christmas!



Ailes d'Or Perfume

The original bottle and box imported from France. A beautifully packaged perfume, and remarkable value. Only limited supplies are available.

Wholesale price 60/- per doz. (P.T. extra) Retail price 12/6 each (inc. P.T.)

Nikki

Combined Pen and Lip Pencil

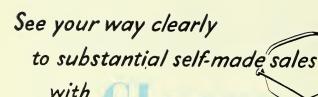
The smart woman's constant companion and an ideal Christmas gift. Ball point pen at one end and lipstick (in six of the latest Paris shades) at the other. Refills supplied for both.

Wholesale price 36 /- per doz. (P.T. extra)
Retail price 7 6 each (inc. P.T.)

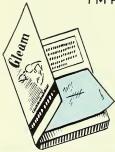
Perfumes with "Eye Appeal"
are lines with "Buy Appeal"

DE PARIS

Send for free folder to "NIKKI de Paris" 5 Blenheim Street, London, W.1



IMPREGNATED



Everyone wearing spectacles is interested in the help that Gleam impregnated lens tissues give in improving vision, keeping lenses clean and preventing condensation. Gleam's compact self-serve display container acts as its own salesman with no more than casual reference needed in support. Gleam Tissue is attractively packed in a neat vest pocket automatic dispenser which delivers each of the 50 sheets it contains ONE at a time. The display containers hold 48 vest pocket dispensers retailing at 6d. each. Send for a free sample for your personal use and order through your wholesaler or direct from

General Paper & Box Manufacturing Company Limited Treforest Trading Estate, Pontypridd, South Wales, Gt. Britain

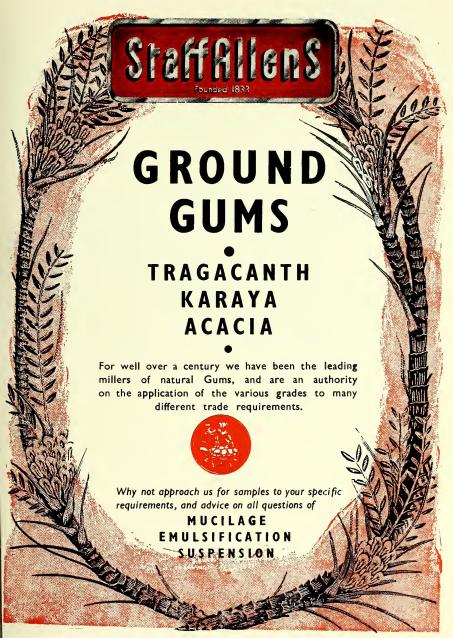
Something they can trust

The public likes something reliable, something with dependable high quality. A faithful following is the public's response to trustworthy products that give real satisfaction. Such is the popularity of

CUTICURA SOAP CUTICURA OINTMENT CUTICURA TALCUM POWDER CUTICURA SHAVING STICK

There is a growing circle of discriminating people who appreciate high quality and insist on these soothing, protective, fragrant, mildly medicated Preparations, for care of the skin. Just display one each of these eye-catching firm family favourites in your attractive window, and make sure this steady all-the-year round business comes your way.

CUTICURA SOAPS, OINTMENTS AND SHAVING STICKS HAVE ALWAYS CONTAINED CHLOROPHYLL



TAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLErkenwell 1000 (7 lines)
TAS/AL 376



and the best Nailbrush ever!

THE NEW STYLE Spa NAILBRUSH

A view showing the manicure tufts



Available in coloured translucent plastic — pink, blue or green, and packed in 1 dozen display cartons printed in the well-known Spa colours of maroon, grey and white. The latest Spa Nailbrush has been scientifically designed to give the maximum efficiency with the minimum effort. Specially selected Nylon, mounted in translucent plastic, with a handle shaped to give a firm grip, makes a nailbrush that cleanses thoroughly without endless scrubbing. A single manicure row of Nylon tufts is embodied in the back of the brush.

There is already a big demand for this new Spa line. We advise you to order now for your Christmas trade . . . either direct or through your usual wholesaler.

The Safe and Effective Treatment for Head Lice

'Lorexane' Head Lotion contains gamma benzene hexachloride: a most powerful parasiticide which destroys head lice at one application. It is easy to use, non-irritant and has no harmful effect on the hair or scalp.

The pharmacist can recommend 'Lorexane' to the public with absolute confidence in its safety and efficiency both for prevention and treatment.

Available in bottles of 50 c.c. Retail price 2/- (plus $5\frac{1}{2}d$. purchase tax). Also available in bottles of 500 c.c. and 2 litres.

Ask for supporting display material—Display Stands.

Counter Leaflets.

'LOREXANE' HEAD LOTION



From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office—London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin.



IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED

A subsidiary company of Imperial Chemical Industries Limited WILMSLOW, MANCHESTER

Ph.82/4t

VELVET for VALUE

Four fine toilet tissues at competitive prices—

all best-sellers in their own field.

6

PRESTO

NOW—a sulphite toilet roll for only 6d. Excellent quality tissue, with attractive colour wrapper —ideal for display.



Od

HERMES

Now even bigger. A sulphite roll of superior tissue weighing approximately 6 ozs. A long established favourite—to-day's best value anywhere.



1

VELVEX

Twin Packs of top quality toilet tissue—now both at the same price. Roll—fully wrapped and sealed. Approximately 7 ozs. Interleaved Pack in standard container—now with 250 sheets.



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ALPERTON MILLS, ALPERTON, MIDDLESEX

IMPROVEMENT OF BLOOD SUPPLY

is the basis of treatment in

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TRAFURIL CREAM

produces

RAPID AND PROLONGED

INCREASE IN LOCAL BLOOD SUPPLY

The soothing warmth reduces pain and promotes healing

Non-irritant · Non-greasy · Odourless

Economical

Tube of 20 g. (3/-) Jar of 1 lb. (39/-)
Retail Discount 33\frac{1}{3}\%: Exempt from Purchase Tax

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'Trafuril' is a registered trade mark denoting the tetrahydrofurfuryl ester of nicotinic acid: Reg. user

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3/2

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IMPORTED—PRE-WAR QUALITY

Size 6" × 2" × 2 m. m, thick. Danish Beech, each one perfectly finished.
Over six million were sold last year without a single complaint.
Price to trade
Price to trade
(boxed 100's)

As an introduction a box of 100 will be supplied absolutely free to any genuine trade
house on application. Spatulas and applicators also supplied. Write for prices.

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Specialists in Veneer and Plywood products for all trades IBEX HOUSE, MINORIES, LONDON, E.C.3.

ROY 2494a



they'll give Goya this Christmas

Because whoever they're giving a present to, there's a Goya gift that's just right—and at the right price, from 3/6 to 4 gns. All Goya's special Christmas lines are being extensively advertised this year, so they're bound to know about them.

And who are they? Your customers—so be wise and stock up with Goya's Christmas range. Here is just a selection of what you can offer . . .



161 NEW BOND STREET · LONDON WI



Perfume Quartet **14/9**

A gift for any season—the smart ivory-coloured case holds four assorted phials of perfume. Trade price 72/- a dozen.



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This box in pale green, with colourful lid design contains Perfumed Cologne with matching Soap and Bath Essence. Trade price 56/3 a dozen.



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Six assorted tablets of luxury soap in a floral design box, make an attractive inexpensive gift. Trade price 36/- a dozen boxes.



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Two miniature crackers, each containing a handbag phial of perfume, packed in a ribbontied window box. Three assortments. Trade price 341- dozen.



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A neat transparent box containing a handbag phial of perfume and a prettily coloured handkerchief. In all Goya fragrances. Trade price 28/3 a dozen. N.B. Perfume subject to 100% Tax. Handkerchiefs to 1/3 Tax a doz.



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No. 2 15/-

Three Corvette preparations—After Shave lotion, Brilliantine and Shaving Bowl are contained in this well-made box of grey and dark blue.

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Hundreds of chemists and thousands of customers are never without John Bell's Cold Capsules. There's steady business in this ever popular preventive and treatment in the common cold, business that's on the way now — order supplies today.





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ORAL TABLETS. All Potencies from 10,000 to 1,000,000 units per tablet.

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Single application tubes 50,000 or 100,000 units of penicillin.

Single application tubes 20 per cent sulphathiazole.

ALSO

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May we supply you? Our prices are highly competitive and prompt delivery is assured.

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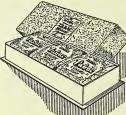
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The Chilton head which alone has five individually sprung cutters lapped to a diamond hard steel head with both slots and holes for long or short hairs gives the highest degree of precision action — no wonder that's why they always shave with such quiet ease.

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TROUBLE-FREE Electric Shavers

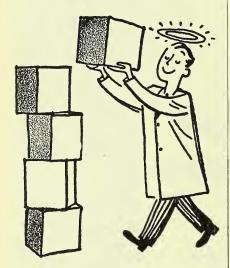
The Chilton Electric Shavers are designed for silent operation and reliability, together with omplete lack of interference to radio and television. The price of the KuB brings it within the reach of all and opens wide the intouched market for Electric Dry Shavers even in these ustere days.

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It will help us greatly to maintain deliveries of Andrews Liver Salt if you will kindly put the empty delivery cases safely aside until our traveller can collect them. We allow 6d. each for cartons in good condition. **THANKS!**

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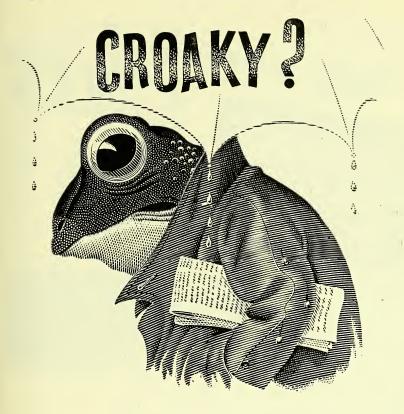
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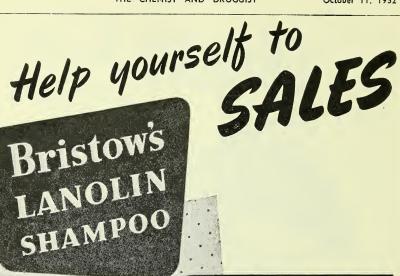


Attention-compelling, nationally advertised 'croaky' is creating a bigger demand than ever for Kilkof and Kilkof-Kones. No comparable proprietary has so quickly captured the public's interest. None offers you so high a percentage of profit. Reap the benefits of the ever-increasing Kilkof goodwill. It means rapid turnover and repeat sales as well as handsome rewards.

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Made by PARKINSONS LTD. Manufacturing Chemists, Burnley



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TRADE TERMS

HANDY TUBE: 10/9d. per dozen plus purchase tax 3/7d, to retail at 1/6d. STANDARD TUBE: 16/9d. per dozen plus purchase tax 5 7d, to retail at 2/4d. SALON JAR (8 oz.): 47 3d. per dozen plus purchase tax 15 9d, (Not for resale).



is 'Kepler' time! With winter near, it's none too soon to start reminding mothers of the good that 'Kepler' does—in giving extra nourishment, promoting sturdy growth and building up defence against infection. The ever present threat of winter epidemics will influence many mothers to buy 'Kepler' for their children—yes, and for the grown-up members of their families too. Prudent pharmacists will therefore lose no time in checking stocks and placing orders.

'KEPLER'

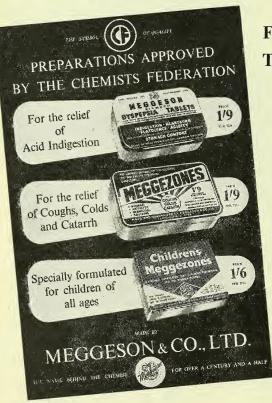
Cod Liver Oil with Malt Extract



USE YOUR WINDOW TO ADVANTAGE DURING THE



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FROM OCTOBER 20th
TO NOVEMBER 1st

This showcard, illustrating the products full size, in realistic colour, has been specially prepared for use in your window during the CF Display Fortnight.

Ask your Meggeson representative for a copy, or write to, Meggeson & Co. Ltd., Llewellyn Street, London, S.E.16

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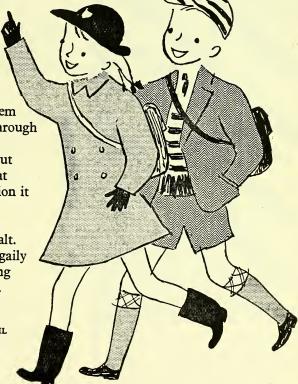
for radiant health

At this time of year parents are thinking about their children's health. Children go back to school, fit from the holidays. How to keep them free from colds and ills through the coming months?

Wise parents know about Radio-Malt, recognise that children need the protection it gives.

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Prices: 1 lb. $2/5\frac{1}{2}$ 3/6 3. 2 lb. 4/2 6/Quantity terms on application





GALE'S NUTRITIOUS TONIC

MORELIX

(Regd.)

ESPECIALLY SUITABLE FOR CHILDREN

AND DURING CONVALESCENCE

Contains Liquid Malt,
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ERGOT OF RYE

prompt and forward

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

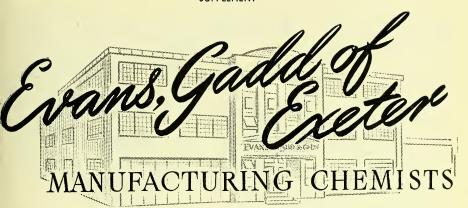
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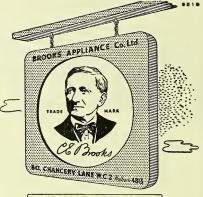
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For some time now we have been establishing Sales Agents in Great Britain and overseas. Vacancies for more are still available and applications are cordially invited.

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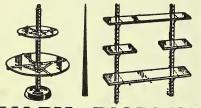
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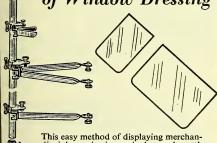
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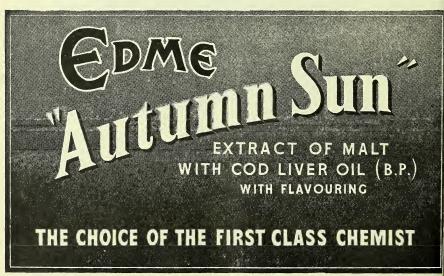
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Always buy Benzedrine Inhalers In complete dozens..

they are then supplied on an attractive showcard, and if you display his on your counter or in your window or at least 14 days you can claim a pecial display discount of $7\frac{1}{2}\%$ (full letails are included in each one dozen

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and ensure repeat business

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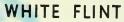
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There is 6d. profit on each Inhaler sold—nearly

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Medical and Pharmaceutical

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....THE MAN WITH THE SEA IN HIS VEINS



Exceptionally attractive profits

It pays to sell Corvette, and it pays handsomely. There is 1/6d profit for retailers on the shaving bowl and 1/- on the refill. All other items in the range show a profit of not less than 10d. He looked an ordinary chap, this customer. No rolling gait or bell-bottomed trousers. But his eyes alighted on my Corvette packs like a ship-wrecked mariner sighting land.

"That's attractive," he said, picking up a carton, examining the Corvette picture, "that's a really smart job... something fresh...a bit different... just the sort of thing I like."

The call of the sea? Could be! Fact is we're an island people, and there's hardly a man jack of us who doesn't warm to the sight of a ship at sea. Anyway, I'm convinced these Corvette packs make my displays pay dividends. They attract. They have character. They stand out on necessarily crowded shelves and do a selling job in themselves.

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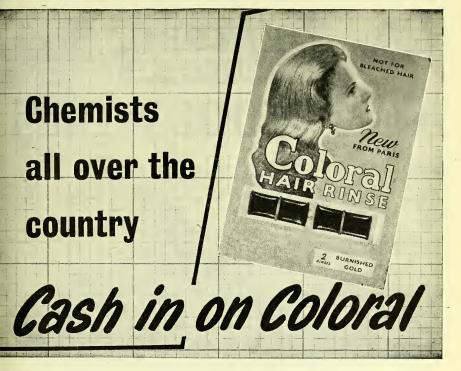
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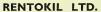
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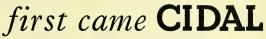
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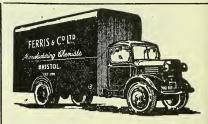
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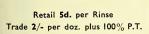


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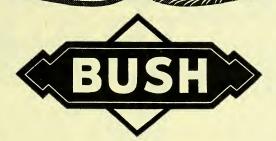
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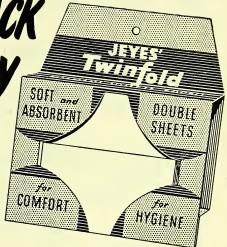


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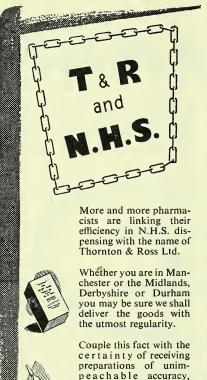
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OCTOBER 11, 1952

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NEWS OF THE WEEK

Sales Management Conference. — An inglo-American sales management conference is being held in Victoria Halls, loomsbury Square, London, W.C.1, on ctober 28. Details may be had from the acorporated Sales Managers' Association, Holborn Place, High Holborn, London.

Trade Mission to Central America.—Government-sponsored trade mission is aving in mid-November for a tour of enezuela, Colombia, the Dominican Reblic, Cuba and Mexico, to explore ethods by which the United Kingdom in increase hard-currency earnings there.

Lighting Restrictions Removed.—Uner an Order made by the Minister of nel and Power on October 2 (S.I. 1952, o. 1772) the Electric Lighting (Restricn) Order 1949, is revoked with effect om October 6. Restrictions on the use electricity for advertisement and for op lighting are removed.

National Memorial Fund.—The King corge VI National Memorial Fund was ficially opened by the Prime Minister in a broadcast on October 4. A donation form appears as a half-page announcement on page 13 of this issue. If posted during October and addressed to the Lord Mayor of London at the address given it requires no stamp on the envelope.

Protest Against Test Prescriptions.—Dr. Anthony Bell, Morpeth, Northumberland, in a letter published in the "Supplement to the British Medical Journal," September 13, p. 128, protests against the requirement under the National Health Service that doctors should sign test prescriptions, and suggests that, if the regulation cannot be abolished, doctors might warn any chemist concerned.

Tooth-brush Showcard Competition.—A competition (organised by the tooth-brush manufacturers' group of the British Brush Manufacturers' Association) for designs of showcards to encourage quicker replacement of worn tooth-brushes, was judged recently by a panel including the chairman of the National Pharmaceutical Union (Mr. D. W. Hudson), Prizes were awarded to the first three competitors in

order of merit. It has not yet been decided to what use the winning entries will be put.

Retail Wages Increase.—By the sixth agreement of the National Joint Industrial Council for Retail Pharmacy, weekly rates for unqualified assistants in all areas given in the previous agreement (C. & D., 1951. I.250) are to be increased from September 22 as follows:—

Age	Male	FEMALE
20	5s.	3s. 6d.
2 I	6s.	4s. 6d.
22	7s.	5s. 6d.
23	8s.	6s. 6d.
24	9s.	7s. 6d.

The increased rates for pharmacists were given in the C. & D., August 16, p. 210.

Recommendations on Taxation.—Five steps to relieve hardships suffered by small private companies are recommended in a report issued recently by the Institute of Directors. They are:

(t) That direct taxation on private companies should be on a scale related to the amount of profits, rising from 50 per cent. on profits of £12,000 to the full scale where the profits are

£25,000 or more.

(2) That the limit of deductible remuneration in respect of directors of director-controlled companies subject to limitation should be raised to £10,000 or 25 per cent. of the profits with a limit of £5,000 in the case of any one director; the salaries of part-time executive directors to be allowed to be included in this figure.

(3) That subject to satisfactory safeguards the basis of valuation of the shares of the deceased director shareholder should not exceed the normal Stock Exchange valuation and that there should be

the right of appeal to a tribunal.

(4) That the arbitrary limit of five years in the case of gifts inter vivos should be subject to gradation; and

(5) That all executive directors of private limited companies . . . should be allowed to participate for taxation purposes in pension schemes arranged by their companies.

Copies of the report (price 1s.) may be obtained from the Institute, 51 Palace

Street, London, S.W.I.

Plan to Clear up Pricing Arrears. — Proposals from the Ministry of Health for a partial clearance of unpriced arrears of prescriptions have recently been under consideration by the Central N.H.S. (Chemist Contractors) Committee. The arrears that would be dealt with under the scheme would be the "A" bundle prescriptions for the four months February to May, 1952. The prescriptions would not be priced but would be paid for on each contractor's "A" bundle average for such prescriptions dispensed in the four months October 1951 to January 1952, plus a

small adjusting factor. The Committee, in consultation with the Ministry, examined the accounts that make up the I per cent. pricing-check sample, and which have been priced out months in advance of the general level of pricing in the bureaux. They found that out of 153 accounts, ninety-nine would be underpaid or overpaid by less than one penny per prescription; forty-four would be underpaid or overpaid by more than one penny but less than twopence per prescription; eleven would be underpaid or overpaid by more than twopence but less than threepence per prescription; and three would be overpaid by more than threepence per prescription. The Committee decided that it would not take the responsibility of accepting the proposals on behalf of contractors, but would offer no objection to the Ministry's putting the proposals direct to contractors.

Ramsay Centenary Exhibition. — An exhibition to mark the centenary of the birth of Sir William Ramsay (especially renowned for his researches on the inert gases of the atmosphere) was opened in the Science Museum, South Kensington, London, on October 2, by Lord Woolton (Lord President of the Council). The first exhibit shows that among the many honours bestowed upon Ramsay was honorary membership of the Pharmaceutical Society in 1898. The exhibition is divided into three sections: Books, documents, portraits and general biographical material; original apparatus used by Ramsay and his collaborators; and modern use of the inert gases. Among items of apparatus shown are the Hampson air liquefaction plant used by Ramsay and Travers in the chemistry department of the University College, London, in 1899, and a model of a modern plant for cooling and liquefying air and then distilling it to separate the oxygen from the other constituents, lent by the British Oxygen Co., Ltd. A label marked "Helium prepared by Thomas Tyrer & Co., Ltd., Stratford, London, England, and or the direction of Sin West. under the direction of Sir Wm. Ramsay, K.C.B., LL.D., D.Sc., F.R.S.", is also shown. Among the medical applications of the rare gases mentioned are the use of helium mixed with oxygen in certain types of difficult breathing and the use of xenon and oxygen in anæsthesia. The Exhibition remains open from 10 a.m. to 6 p.m. on weekdays and from 2.30 to 6 p.m. on Sundays until January 3, 1953 (except Christmas day). Admission is free.

LOCAL NEWS

Evans Scientific Society.—At the first meeting of the new session of the Evans Scientific Society held in Liverpool on September 19, Mr. David Train (lecturer in pharmaceutical engineering science, School of Pharmacy, University of London) gave an address on the subject of "Pharmaceutical Engineering in Pharmacy and Industry."

Long-service Presentation.—To mark the completion of twenty-five years' service (fifteen as managing director) with Meggeson & Co., Ltd., London, Mr. R. Campbell Feather was presented with an inscribed silver salver by representatives of the factory, office and representative staff at an informal gathering held on September 30.

U.S. Visit.—Mr. E. H. Lambert (assistant general manager of Parke, Davis & Co., Ltd., Hounslow, Middlesex), and Mr. C. B. Bebb (manager of the company's advertising and printing departments) accompanied by a group of sales executives, recently flew from London to New York in order to attend a sales conference at the head office of the company in Detroit.

Drug Costs and Total Spending.—At the annual meeting of the Association of Welsh Executive Councils held in Porthcawl on September 19, Miss E. M. R. Russell-Smith (under-secretary, Ministry of Health) said that the high expenditure on medicine would limit the amount available or spending on other things. It was, she said, becoming a "fashion" to take medicine. In 1950 more than 10 per cent. (£43 million) of the total cost of the Health Service was spent on pharmaceutical ervices.



Gaelic Athletic Club. — The annual meeting of the College of Pharmacy Gaelic Athletic Club was held in Dublin on September 23. Mr. M. Hanna, M.P.S.I. (chairman), presided. Mr. D. O'Sullivan (secretary) reported on the club's progress for the past year. Membership, he said, had doubled during the past twelve months. Mr. P. Quinn was elected captain and Mr. S. Conway, vice-captain.

Ulster Associates' Committee.—At the October meeting of the Associates' Committee of the Ulster Chemists' Association the following applications for associateship were approved:— Assistants, Messrs. Christopher Eno and J. McCracken; Apprentices, Messrs. G. W. E. Dennison, S. R. Fannin, and H. G. Henderson. Mr. J. Kerr (vice-chairman) made the presentation of a wedding gift on behalf of the Committee and the U.C.A. office staff to Mr. E. G. Mackle (chairman).

Caution on Cortisone and ACTH .-Following representations made to him by the medical profession Dr. J. Ryan (Minister for Health) has issued a letter to local authorities in Eire advising caution in the use of cortisone and ACTH. The Minister points out that both are in the experimental stage and that patients should be under constant supervision while undergoing treatment. The cost of cortisone and ACTH supplied to public assistance patients in Eire may only be recouped from the Health Services Grant if the prescribed conditions are fulfilled, and if the cost does not exceed the current wholesale price. The Irish Medical Association has been informed by Professor Henry Moore that Merck & Co., Inc., New Jersey, U.S.A., have arranged to supply the De-

partment of Health, at whole-sale rates, with all the material that may be required for the treatment of destitute persons.

ULSTER CHEMISTS'
GOLFING ASSOCIATION: Members who
took part in the annual tournament at
Belvoir Park, Belfast,
recently, with Messrs.
H. Boyd (secretary);
J. Jeffers (captain) and
C. J. Hall (treasurer).



SCOTTISH NEWS

Holiday Rota Schemes. — Chemists in Hamilton, Lanarks, have agreed to work a rota system to cover Sundays and public holidays. Shops open under the scheme are opening from 2-4 p.m. on Sundays and 10 a.m. to 12 noon on holidays. Similar schemes are being operated in the Burnbank district of Hamilton, the Motherwell, Lanarks, district, and in Blantyre, Lanarks.

Call for Drug Costs Inquiry.—An investigation into the cost of drugs prescribed under the National Health Service was called for at the fifth annual conference of the Scottish Association of Executive Councils in Inverness on September 25. A resolution was approved urging representations to the Department of Health for Scotland that it was essential for the Drug Accounts Committee in Scotland to provide statistics to enable Executive Councils to investigate excessive prescribing. The proposer of the resolution declared that, in 1951, the pharmaceutical service in Scotland had cost £5,378,289, an average of £1 per head of population, or more than the cost of treatment by general practitioners throughout Scotland.

Fifty Years' Trading in Scotland.—Boots, Ltd., Nottingham, are celebrating this year their golden jubilee of business in Scotland. The first Scottish branch of the company was opened in Sauchiehall Street, Glasgow, in the autumn of 1902. Now the company has 117 shops in Scotland of which one in Glasgow and one in Edinburgh are open day and night for the supply of medical requirements. A comprehensive mail order service has been introduced for the more remote parts of Scotland. The company's pharmaceutical factory at Airdrie, Lanarks (C. & D., 1949.I.500) was opened in April 1949. Farms in Ardslignish and Glenmore,

North Argyllshire, were taken over in 1943 and have yielded the company information about the special agricultural problems there.

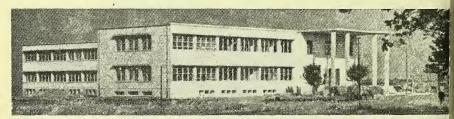
OVERSEAS NEWS

Bolivian Phosphate Find.—Deposits of phosphates have been discovered near Oruro, Bolivia. They will supply Bolivia's need for phosphate fertilisers for an estimated twenty years,

Chemotherapy Fellowship.—A fellowship for investigation in synthetic organic chemistry, with particular emphasis on the preparation of compounds for combating viruses and tumours, has been established at the Mellon Institute of Industrial Research, Pittsburgh, U.S.A., by Parke, Davis & Co., Detroit.

Supplies in South Africa.—At a meeting held recently in Durban, the vice-chairman of the Natal Branch, Pharmaceutical Society of South Africa, said that doctors were buying pharmaceutical preparations at costs equal to or slightly higher than those paid by pharmacists. Doctors supplied their patients direct with such preparations, thus depriving pharmacists of their profits. General dealers also, he said, were allowed too much scope for the selling of "patent" medicines for use by the public.

Anti-narcotic Measures in France.—
The French Council of Ministers instructed the Public Health Minister, on September 3, to draw up new measures against illegal drug traffic, with more severe punishments Recent arrests in Italy have caused the traffic to be transferred to Paris and Trieste. The international police have recently discovered five laboratories secretly converting opium into heroin. "Hundreds of kilograms" of heroin were reported to have been produced annually by the laboratories.



LARGEST PLANT IN NEAR EAST.—The Eczacibasi Laboratuari, Istanbul, Turkey, have just complete in that city the largest and most up-to-date pharmaceutical plant in the Near East. The building, th first of its kind in that region to use air-conditioning in manufacture, covers an area of 5,700 sq. metres

TOPICAL REFLECTIONS

Dyspepsia

The inauguration of "Essentials of Treatment," your new series of articles by a medical man, with the first half of a discussion on dyspepsia (pp. 475-76) is a matter for congratulation. These articles will, I am certain, be welcomed by chemists in retail business. When asked at the counter for advice on so common a trouble as dyspepsia, the qualified man or woman is often perplexed. Well aware that conditions of unknown significance may be causing the symptoms described by the customer, the pharmacist will (without hesitation) refer the inquirer to a medical practitioner whenever circumstances appear to dictate that course. A study of your contributor's article will help towards strengthening this attitude. Differences between acute gastritis and chronic gastritis are indicated. The rationale of alkaline treatment is set forth: it will be noticed that an alkali, or a mixture of alkalis, is not recommended for every occasion. Gastric digestion, the author points out, is a complicated process. Another important hint is the caution about dealing with a middle-aged patient complaining for the first time of persistent dyspepsia. The author's recommendation of combining an alkali with a bitter for a feeling of abdominal distension is in accord with general experience. I venture to add that a modicum of some bitter in mixtures prescribed or dyspeptic patients can usually be ustified.

Ministry of Health Report

The abstract of the Ministry of Health eport for April 1950 to December 1951, and the statistics of pricing on the same page (p. 471), are important to everyone oncerned with the manufacture and supply of medicaments, as well as to panel hemists. The increase of about 30 per ent. in the average cost of prescriptions luring the period reviewed is a serious natter. "Contributory factors" are menioned; but so far I have not seen any int of a definite prospect of decrease in verage cost. This unsatisfactory rise is n striking contrast with the reduction in ublic liabilities for dental and optical reatment. Some progress has been made n speeding up the pricing of prescriptions: et I do not regard this slight improvenent as anything to boast about. When re read (p. 474) that "at the present rate

of progress, arrears would take twenty years to be wiped out," we naturally ask what is to happen next. That calculation reinforces the opinion of the National Pharmaceutical Union representatives, at their recent Cambridge conference, that the present arrears had better be cleared off at almost any cost. On the other hand it is to be hoped that any measures taken to rectify the situation will not be so drastic (as, for example, a more loosely calculated averaging system) that retail chemist contractors would suffer financially. It is pleasing to note in the Ministry of Health report that dispensing, as shown by the drug testing scheme figures, continued in general to reach a high standard. There is, of course, still the doubt in some quarters whether it is appropriate that tests of this kind should be applied to persons who, by examination, have shown themselves fit for responsibility.

Ethics in 1834

Current discussions on pharmaceutical ethics came to mind when, while looking up another subject in the British Museum recently, I discovered a thirty-two-page pamphlet issued by T. Gardner, chemist and druggist, "38 Great Titchfield Street, Oxford Street, London." Its main title is "The Family Medicine Book": a lengthy subtitle tells the reader that the work includes "the mode of treating diseases," lists of family medicines and "druggists" miscellanies," and prices of dispensed medicines. The date is conjecturally catalogued as 1834. The topical element in Mr. Gardner's publication is contained in the short preface, headed "Design of this Work." One of its objects, we read, is "to FIX the prices of Physicians' Prescriptions, and all Drugs and Chemicals, for which Chemists and Druggists have hitherto been accustomed to charge without any fixed principle. Every article sold by T. GARDNER is of the FINEST QUALITY, and the Prices at least ONE-THIRD LESS than those of the Chemists in Oxford Street or Apothecary's Hall." One wonders what John Bell, established nearby in Oxford Street since 1798, thought of this effusion. Gardner's prices for dispensed medicines do not seem lower than was then customary. Draughts, for example, were 6d. each, 5s. a dozen. Pills were 4d. a dozen; ointments 2d. an ounce; liniments (in unspecified volume) 6d. to 1s.

NEW COMPANIES

A. N. Berry, Ltd. (P.C.). — Capital £1,503. To acquire the business of a chemist carried on at 100 St. Mary Street, Southampton. Alexander N. Berry, M.P.S., and Gladys E. Berry, directors.

Weald Chemists, Ltd. (P.C.).—Capital £4,000. To acquire the business of chemists carried on at 211 High Road, Harrow Weald, Middlesex. William A. Parkes and Betty E. Parkes, M.P.S., directors.

CALCIFORM PRODUCTS, LTD. (P.C.). — Capital £1,000. To carry on the business of wholesale and retail chemists and druggists. Austin D. Smith and Gordon T. Hills, directors. R.O.: 84 Chancery Lane, London, W.C.2.

Langaster Road Pharmacy, Ltd. (P.C.).—Capital £100. To carry on the business of wholesale, retail, and dispensing chemists, etc. Shri Gopal Chandra and Om P. Agrawal, directors. R.O.: 244 Lancaster Road, London, W.I.

AGRICOLA PLANT PROTECTING CHEMICALS, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers of and wholesale and retail dealers in plant protecting chemicals, etc. Lewis Hearst and Anni Hearst, directors. R.O.: 8 Park Street, London, W.I.

Tanners Chemists (London), Ltd. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, opticians, etc. Thomas H. A. Knight, M.P.S., Clement Finlayson, M.P.S., and Sidney J. Birkett, directors, R.O.: Craven House, Kingsway, London, W.C.2.

Company News

JOSEPH CROSFIELD & SONS, LTD.—Dr. J. E. Taylor is to join the board towards the end of the year.

Monsanto Chemicals, Ltd.—An interim dividend of 63 per cent. on ordinary capital is declared. A progress report by the company states that turnover for the first eight months of 1952 slightly exceeded that for a similar period of 1951. Trading profits have been affected by the necessity for reducing prices in the home and overseas markets.

Voluntary Liquidation

J. W. ROGERS (CHEMISTS), LTD., dispensing chemists, 114 Broad Street, Reading. Liquidator: Mr. E. N. Knowles, F.C.A., 109A High Street, Winchester.

INQUESTS

Morphine for Anæsthetic.—At an inquest at Norwich, recently, on a twenty-eight-year-old woman who died in hospital four hours after receiving an injection, a doctor said in evidence that he had given the woman an injection of morphine in mistake for a local anæsthetic after she had given birth to a baby. A verdict in accordance with that evidence was recorded,

Wrong Verbal Directions.—At an inquest at Shrewsbury on September 10 on a woman who died at the Royal Salop Infirmary, Shrewsbury, a house surgeon said in evidence that he gave a verbal order that 10 oz. (instead of 10 dr.) of paraldehyde should be given to her at the time she was admitted to hospital. The jury returned a verdict of misadventure, adding that the system of administering dangerous drugs should be checked to prevent the recurrence of such accidents.

A Death from Aplastic Anæmia.—
After a four-hour hearing at Bath coroner's court recently into the circumstances of death of a man who had been prescribed 150 chloramphenicol capsules and had later died, a verdict was recorded of "Death from aplastic anæmia, resulting in extensive cerebellar hæmorrhage, asthenia and heart failure." The coroner added: "Death may presumably have been connected with the drug..., but it is difficult to say that aplastic anæmia results from this or any other drug, and the most that can be said is that in certain cases there have been symptoms of jaundice where the drug has been used."

BUSINESS CHANGES

JOHNSON & JOHNSON (GT. BRITAIN), LTD., have moved their offices to Slough, Bucks (telephone: Slough 23374).

The British Association of Chemists have removed to 14 Harley Street, London, W.1 (telephone: Museum 7021).

W. EDWARDS & Co. (LONDON), LTD. Worsley Bridge Road, Lower Sydenham London, S.E.26, have opened a sales and service establishment at 44 West George Street, Glasgow.

Appointment

CRANBUX, LTD., Barn Road, Norwich have appointed Mr. G. R. Baillie their representative in Scotland.

LEGAL REPORTS

Vitamin A in a Syrup. — Camberley, Surrey, magistrates dismissed recently a ase against Arnold M. Gee, Ltd., Lonlon, for selling a drug, Crescando tonic yrup, with a label that was alleged to be false description of the drug, in that he vitamin A content of the product was ess than that stated on the label. Surrey County Council's sampling officer said he ocquired a bottle of the syrup from the hop of E. W. Smith. High Street, Camperley. The public analyst's report showed he syrup to have a vitamin A deficiency of 6 per cent. On investigation, the samping officer said it was found that the lrug had been in the stock prior to the aking over of the business by Messrs. Gee n November 1951. The manufacturers of he drug, McClure Young & Co., Ltd., vere summoned in turn by Messrs. Gee, who alleged that the offence was due to an act or default of the company. On their behalf it was submitted that it had been established that vitamin A evaporated over a period of time. All bottles of the drug over two years old had been recalled. The magistrates imposed on Messrs. McClure, Young a fine of £10, with £5 5s. costs.

"Test" Prescription Obtained. - At East Ham magistrates' court on September 26, J. Mair, Ltd., chemists, 414 Green Street, Upton Park, London, E., answered ummonses by Mr. W. R. Roberts on be-half of the Pharmaceutical Society for elling by retail at 93 Katherine Road, East Ham, London, E.6, strychnine conained in a dispensed medicine; a derivaive of barbituric acid contained in phenoparbitone tablets; and codeine included n Veganin tablets, the sales not being ffected by or under the supervision of a egistered pharmacist, as required by the harmacy and Poisons Act, 1933. The rharmacy and Poisons Act, 1933. The efendants pleaded guilty under mitigating circumstances. Prosecuting solicitor aid that on July 9, when the alleged ffences took place, there was a qualified hemist at 414 Green Street, but not at 3 Katherine Road, at which an inspector ad reason to believe that National Health ervice prescriptions were being left. le therefore called on a doctor in te neighbourhood, obtained a National lealth Service prescription bearing the ame of a woman patient of the doctor, nd sent a woman agent into 93 Katherine oad. She handed it over the counter to young lady who, knowing the patient,

asked: "Can we send these round to the address?" The agent replied, "I will collect them myself and come back later." When she collected the medicaments she also purchased some proprietary tablets. The inspector, having found that there was not a qualified chemist on the premises, called at the other shop and was informed that there had been difficulty in getting one for 93 Katherine Road. was not suggested that prescriptions were dispensed at that shop, but that it was being run without a qualified chemist. Whatever criticism might be levelled against the Pharmaceutical Society who were the prosecutors in the case, he did not want it to be thought that there was trickery. The only way of getting a prescription for the protection of the public was by going to a doctor. Both the inspector and his agent acted in good faith; the inspector was carrying out a statutory duty. For the defendants, attention was drawn to the manner in which the prosecution was launched, and it was represented that the procedure was "well below the standard one would expect from those who administered regulations made for the good of the community as a whole." The magistrate imposed a fine of £5 on the defendants on each of the three summonses, and ordered that they should make payment of £3 3s. costs.

Pharmacy Act Fines. — Mr. Horace Bland, trading as W. Jones & Co., 134 Southampton Row, London W.C.I, appeared before the Clerkenwell magistrate on September 29 on three summonses brought by the Pharmaceutical Society. The first summons alleged that on June 24 he unlawfully sold by retail a poison, beta-aminopropylbenzene, contained in Dexedrine tablets, to an unauthorised person. The second was for failing to make entries in his poisons register, and the third for failing to properly mark the container of the poison. Prosecuting solicitor described Mr. Bland as "the holder of a high reputation for integrity and scholarship in the pharma-ceutical world." Mr. Bland, who pleaded guilty to the three summonses, said that he was in process of dressing the window when his assistant served the customer and he did not hear what was going on. He was fined £5, with £5 5s. costs, on the summons for selling the tablets to an unauthorised person, and 20s. on each of the other summonses.

BIRTHS

Apps.—At the Mary Stevens Maternity Home, Stourbridge, Worcs, on September 30, to Janet, wife of Charles James William Apps, M.P.S., 44 Alexandra Road, Halesowen, nr. Birmingham, a son.

Lamb.—At 9 Grosvenor Street, Edinburgh, on September 16, to Mildred Constance, wife of George T. Lamb, M.P.S., 29 Hillview Crescent, Corstorphine, Edinburgh, a son (John Temple).

DEATHS

Brown.—Recently, Mr. Thomas Brown, formerly for many years in business at 51 London Road, Stockton Heath, nr. Warrington, aged eighty-three. Mr. Brown founded his business forty years ago; later it was converted into a limited liability company under the name Thomas Brown (Chemists), Ltd. Mr. Brown had spent the past few years in retirement at Penrhyn Bay. He passed the Chemist and Druggist Qualifying examination in 1892.

Dow.—On September 23. Mr. Alfred Edward Dow, 59 St. James Street, King's Lynn, Norfolk, aged eighty-four. Mr. Dow qualified as a chemist and druggist in 1891.

Harries. — On August 9, Mr. Frank Reginald Nicholas Harries, M.P.S., 47 Gibbon Road, Acton, London, W.3, aged eighty-two.

HOLLAND.—On September 29, Mr. William Holland, M.P.S., 16 Western Gardens, Western Boulevard, Nottingham, Mr. Holland qualified in 1890.

HOPEKIRK. — At Cottage Hospital, Hawick, on October 3, Mr. John Gullen Hopekirk, M.P.S. Mr. Hopekirk was in business at 16 Bridge Street, Hawick. He qualified in 1915.

Jolly.—Recently, Mr. Charles Stewart Jolly, M.P.S., 87 Gray Street, Broughty Ferry, Dundee. Known by his many pharmaceutical friends in the East of Scotland as Charlie, Mr. Jolly had been in business in Gray Street for many years. He qualified in 1901. An acquaintance writes: "Charlie was respected and admired by all who came in contact with him, and his pharmacy in many respects was absolutely unique. He was the last of one of the real old 'druggists,' and his passing will be deplored in all pharmaceutical circles."

Marsh. — On October 5, Mr. James Marsh, 286 Turton Road, Bradshaw, near Bolton (managing director of Marsh, Brooks, Ltd., wholesale druggists, Bolton), aged sixty-seven.

SMITH.—On September 19, Mr. Ernest William Smith, 22 Woburn Place, London, W.C.I. Mr. Smith qualified as a chemist and druggist in 1904.

Thomson.—On October 1, Mr. James H. Thomson, M.P.S., 13 Craigcrook Road, Blackhall, Edinburgh, Mr. Thomson had carried on a business as a chemist and optician at 186 Dalry Road, Edinburgh, for more than forty years. He qualified in 1901. He is survived by a widow and a son.

WILLS

MR. E. W. SURRIDGE, M.P.S., 4 Parkfield Road, Taunton, Somerset, left £16,103 (£16,055 net).

Mr. G. G. Bosward, M.P.S., 33 Aspinall Road, Brockley, London, S.E.4, left £3,050 (£2,978 net).

Mr. R. I. Edwards, M.P.S.N.I., 79 Bryansburn Road, Bangor, co. Down, left £11,722.

Mr. R. R. Jones, M.P.S., 41 North Drive, Rhyl, left £15,672 (£15,263 net).

MR. J. A. SULLIVAN, M.P.S., 5 Bull Royd Drive, Allerton, Bradford, left £2,009 (£1,924 net).

MR. H. C. A. GOWER, M.P.S., 2 Quarry Gardens, Tonbridge, Kent, left £6,312 (£6,137 net).

MR. F. C. J. BIRD M.P.S., 14 Bassett Road, London, W.10, left £5,951 (£4,189 net).

MR. W. J. McCutchen, M.P.S., 9 My Lady's Mile, Hollywood, co. Down, left £3,139.

MR. H. BISHOP, M.P.S., 111 De La Warr Road, Bexhill-on-Sea, Sussex, left £8,620 (£5,558 net).

Mr. H. H. Yates, M.P.S., 178 Moorside Road, Swinton, Lancs, left £1,290 (£1,043 net).

Mr. B. T. Warner Ph.C., 30 Oxford Road, Carshalton, Surrey, left £3,575 (£3,161 net).

Mr. G. W. Francis, M.P.S., 94 St. Kilda Road, London, W.13, left £1,312 (£1,274 net).

MR. A. L. ROBINSON, M.P.S., Treepolpen, The Drove, Amesbury, Wilts, left £887 (£860 net).

Mr. Ll. Morgans, M.P.S., Medical Hall, Abergele, Denbighs, left £14,218 (£13,090 net).

MR. E. J. FRANCIS, M.P.S., Green Tiles, York Crescent, Lee-on-Solent, Hants, left £5,893 (£3,407 net).

MR. J. W. CAUNT, M.P.S., Rosecoed, Victoria Road, Kington, Herefords, left £3,293 (£3,248 net).

MR. J. Hughes, M.P.S., 73A Lewin Road, Streatham, London S.W.16, left £4,572 (£4,431 net).

MR. J. W. A. WRIGHT Ph.C., 77 Thornhill Street, Calverley, Leeds, left £19,656 (£19,603 net).

MR. I. E. THOMAS, M.P.S., J.P., 20 Belmont Terrace, Aberaman, Aberdare, Glam, left £6,782 (£6,706 net).

PERSONALITIES

Mr. E. A. Jensen, M.P.S. (managing director of K. A. Thiel, Ltd., 2 York Villas, Brighton, 1) has graduated B.Comm.

MR. W. E. WOOLLEY, J.P., M.P.S., a director of Cupal, Ltd., Blackburn, was a



Mr. W. E. Woolley

m e m b e r of the special committee appointed by the Institute of Directors recently (see p. 490) to prepare a memorandum to the Royal Commission on Taxation of Profits and Income.

MR. GILBERT GREENALL, M.P.S., Harrogate, whose sketches of Harrogate scenes became familiar to visitors to the 1951 meet-

ing of the British Pharmaceutical Conference, had six oil paintings accepted for a recent open-air art exhibition held at the Royal Baths, Harrogate.

Mr. J. B. Morris, M.P.S., Ashton-in-Makerfield, Lancs (a member of the Lancashire County Council), has been appointed to the Council's Civil Defence and Standing Joint Committees.

SENATOR FRANK LOUGHMAN (a member of the Council of the Pharmaceutical Society of Ireland) was one of the Irish representatives at a meeting of the Council of Europe held at Strasbourg, France, repently.

MR. E. W. CLARK, B.Sc., A.R.I.C., a o-author of the article on lanolin pubsished in the G. \mathcal{C} D., September 27, p. 32, is chief research chemist of the Westbrook Lanolin Co., Laisterdyke, Bradord. Mr. G. F. Kitchen, his co-author, production manager of the company.

MR. DEREK HONEYBILL, M.P.S. (senior harmacist, Chester City Hospital), has een appointed to the Clwyd and Deeside Iospital Management Committee, Rhyl. lefore taking up his present appointment Ir. Honeybill was engaged at the Manhester Royal Infirmary.

MR. J. L. S. STEEL (since 1945 a director of Imperial Chemical Industries, Ltd.), leading a party of British industrialists the are leaving on October 17 to investi-

gate the possibilities of industrial development in Jamaica, Trinidad, British Guiana and Barbados.

MR. JACK C. CHOLLAR (sales manager, international division of the consumer marketing section of Remington Rand, Inc., New York) will arrive in London at the end of October. His headquarters will be at Commonwealth House, I New Oxford Street, London, W.C.I, the London offices of Remington Rand, Ltd.

Mr. G. A. Tocher, M.P.S., London, resigned from the London Executive Council as from September 30 and has removed to Saltdean, nr. Brighton, for health reasons. Mr. Tocher was appointed to the Council as a representative of the Pharmaceutical Committee in 1948. was a member of its predecessor, the London Insurance Committee, and had served on various subcommittees. He has also served on the Woolwich group hospital management committee and on the divisional health committee No. 9 of the London County Council. Mr. Tocher retired from the secretaryship of the London Pharmaceutical Committee in June 1951 after having held that position since its inception.

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for September was 199.6.

3									
Co	ost.	Item.		4 oz.		I OZ.		ı dr.	
d.	per	item.	s. d.		s. d.		5.	d.	
58	oz.	Aloinum	_	_	_	_	_	_	
204	lb.	CaryophyllumZanzibar	-		2	6	0	41/2	
234	lb.	Caryophylli pulvis	-		2	6	0	$4^{\frac{1}{2}}$	
8	lb.	Cretæ pulvis B.P. 1s. lb.	0	4	0	12	-		
12	lb.	Cretæ Gall. pulvis	0	6	0	1	-		
105	Ib.	Cera alba in massa	3	9	1	0	0	2	
108	lb.	Cera alba in placentis	3	11	1	I	0	2	
756	dr.	Emetinæ hydrochlor.							
	1 9	S.1.(4)	p	er	g	r.	2	6	
60	oz.	Methylviola	-				I	5	
43	oz.	Ol. aurantii dulcis	-	-	-	_	0	I 1	
144	lb.	Ol. eucalypti	4	9	I	4	0	$2\frac{1}{2}$	
123	oz.	Podophylli resina	-	-	-	-	3	0	
78	oz.	Quinin. bisulphas							
		4d. gr. 10	-		-	-	I	10	
108	oz.	Quinin.		_					
		dihydrochloridum	0	6	-	-	2	7	
99	oz.	Quinin.							
		hydrobromidum	0	5	-	-	2	4	
99	oz.	Quinin.							
		hydrochloridum	0	5	-	- 1	2	4	
84	oz.	Quinin. sulphas	0	5	-	- 1	2	0	
156		Sennæ fruct. Alex	5	7	I	7	0	$2\frac{1}{2}$	
90	lb.	Tr. ipecacuanhæ	3	3	0	II	0	2	
144	lb.	Tr. zingiberis fort	4	4	I	2	0	2	
90	lb.	Vapor menthol. et							
0		benzoin. (meth.) B.P.C.	3	2	0	10	0	2	
84	lb.	Zingib. rhiz. Jam. pulv.	3	0	0	IO	0	2	

TRADE NOTES

Carton Replaces Tin.—Cow & Gate, Ltd., Guildford, Surrey, advise that, in future, Cow & Gate glucose is being supplied in a 1-lb. carton in place of the present 1-lb. tin.

New Strength Tablet. — Roche Products, Ltd., Welwyn Garden City, Herts, have introduced a 100-mgm. tablet of Rimifon brand isoniazid in packings of 100 and 1,000 tablets.

Change of Name.—Nembutal and belladonna capsules (Nembutal, 30-mgm., belladonna 12.5-mgm.) by Abbott Laboratories, Ltd., 3 Wadsworth Road, Greenford, Middlesex, are now issued under the name Nembu-Donna.

C.F. Display Fortnight.—On another page Meggeson & Co., Ltd., Llewellyn Street, London, S.E.16, offer a showcard that should prove useful to chemists coperating in the Chemists Federation display fortnight (October 20-November 1).

Change of Pack.—S. West, Ltd., Municipal Buildings, 8 Rutland Street, Leicester, announce the introduction of a new size of Drexamin cream and the discontinuance of the present (larger) size from November 1.

Larger Size.—Pond's Extract Co., Ltd., Wadsworth Road, Perivale, Greenford, Middlesex, have introduced a larger size of Pond's dry skin cream to correspond with the larger jar of Pond's vanishing cream.

U.S. Approval for Fire Extinguisher.

—Nu-Swift, Ltd., Elland, Yorks, announce that negotiations that have taken place during the past five years have resulted in the acceptance and approval in the United States of a pressure-operated fire extinguisher manufactured by the company. It is the first foreign-made fire extinguisher to secure such approval.

Plush-covered Hot-water Bottle.—The Cosimax hot-water bottle is coming back into the range of bottles of the Dunlop Rubber Co., Ltd., St. James's House, St. James's Street, London, S.W.I, after an absence caused by the war. Covered in velvet-plush with a flap over the neck and stopper, it is "specially shaped for comfort."

Correction to Advertisers' Announcement.—By misplacing of brackets, wrong indications of prices were given in a recent announcement by William Freeman & Co., Ltd., Subaseal Works, Peel Street, Barnsley, Yorks. The company's Father Christmas and Father Bear hot-water bottles are priced at 9s. 11d. each and not as indicated in the announcement as published.

Products Renamed.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have renamed their preparations Collosol calcium with vitamin D, and Collosol calcium with vitamin D, high-potency, respectively Collo-Cal-D and Collo-Cal-D, high potency. From October 13 all packings will be invoiced and issued under the new names. The formulas are unchanged.

Chilblain Ointment.—On another page Keldon, Ltd., Wadsworth Road, Perivale, Middlesex, draw attention to their Perivale chilblain ointment, which is offered at a new reduced price. The makers claim that the ointment is "today's most successful remedy." Its composition corresponds to the formula adopted by the War Office after extensive research into chilblain treatment.

At the Chemists' Exhibition.—Among products shown by CIBA LABORATORIES, LTD., Horsham, Sussex, at the Chemists' Exhibition (C. & D., October 4, p. 467) was a parenteral pack of Priscol (tolazoline hydrochloride and not as stated). Examples of Linguets, the company's tablets for sublingual use were also shown.—A display of glucose barley sugar confectionery, glucose medications and medicated pastilles was staged by A. L. SIMPKIN & Co., LTD., Sheffield.

Now Tax-free.—Under a new Purchase Tax Order (p. 503), the following proprietary medical specialities become exempt from tax:—

ALLEN & HANBURYS, LTD.: Scoline.
THE BRITISH DRUG HOUSES, LTD.: Cal-

simil and Livogen.
CIBA LABORATORIES, LTD.: Products in
Coramine range.

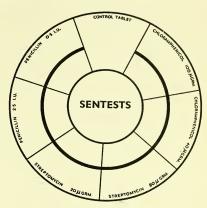
GLAXO LABORATORIES, LTD.: Adexocal and Ostocalcium.

Lewis Laboratories, Ltd.: Sympatol. Roche Products, Ltd.: Allonal, Calcium-D Redoxon, and Rimifon.

Organisational and Distribution Changes.—Mr. Maurice Calthorpe, who originated and launched Vironita tonic, has again taken control of M. Calthorpe & Co., Ltd., at new registered offices at Lister Avenue, Bradford. The product is now being advertised in the provincial Press, and preparations are in hand to build up to a national campaign. Showcards, window bills and other sales aids are available, and demonstrations have been arranged in a number of provincial cities. Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, have been appointed sole distributors for the British Isles.

Antibacterial Sensitivity Test.—Under the short title Sentests, Evans Medical Supplies, Ltd., Speke, Liverpool, 19, are issuing a standard series of antibacterial sensitivity test tablets. The present range comprises three widely used antibiotics (penicillin, streptomycin and chloramphenicol), but others can be supplied by the company on request. Control test tablets are also available. A brochure and circular letter giving details of the tablets have been prepared by the manufacturers. Both are being sent to hospital

pathological and other interested laboratories. The chart was devised by the company's pharmaceutical research and de-



velopment unit to simplify identification of the various test tablets.

NEW PRODUCTS AND PACKS

Yeast with Chlorophyll. — Kathleen Court (England), Ltd., The Laboratories, 19 Thames Street, Hampton, Middlesex, have introduced a "fortified" yeast and chlorophyll tablet under the name Chloroyeast. It is available in two sizes.

Electric Blanket in New Size.—Thermega, Ltd., 51 Victoria Street, London, S.W.1, have introduced a new domestic electric blanket, size 54 x 30 in. Price lists of the company's domestic and hospital blankets and pads are available.

Chloramphenicol Dusting Powder. — Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced a sterilised dusting powder containing chloramphenicol, 5 per cent., in a modified starch base, under the name Alficetyn dusting powder. It is issued in tubes each containing 5 gm.

"Twinfold" Toilet-Paper Pack. — Jeyes' Sanitary Compounds Co., Ltd., Millbrook, Manor Road, Chigwell, Essex, draw attention on another page to their new Twinfold toilet pack, in which each pair of sheets is separate and "twinfolded" for convenience and economy. The whole is packed in a handy self-contained carton.

New Hormone Products. — Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, are marketing during October (a) an aroacyl derivative of testosterone and (b) a sublingual tablet of methyltestosterone and deoxycortone acetate for prescribers who prefer that method of administering the hormones.

Manicure Nailbrush. — The new nailbrush illustrated, which is manufactured by Spa Brushes, Ltd., Chesham, is of re-



gistered design. Its handle, the shape of which makes the brush more easy and effective to use, is of transparent tinted plastic. The brushes are issued in boxes of one dozen.

Lipstick Refill.—A lipstick refill introduced by Max Factor Hollywood and London (Sales), Ltd., 16 Old Bond Street, London, W.1, for their new-size lipstick is made in the nine shades of the lipstick. Present refill holders and cartons for the standard-size lipstick will be superseded by the new type holder and refill carton as they become depleted.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held in London on September 30 and October 1, the president (Mr. W. J. Tristram) in the chair. The President welcomed as visitors Messrs. W. R. Cutler (president Pharmaceutical Association of Australia and New Zealand), who was studying pharmaceutical conditions in this country, and H. T. Thomas (chairman, Scottish Department). Messrs. Cutler and Thomas replied.

Appreciations for Nottingham

THE PRESIDENT said he was sure it would be the Council's wish that a letter of appreciation should be sent to the local committee at Nottingham for organising the British Pharmaceutical Conference. Reporting on his visit to Philadelphia to represent the Society at the Centenary celebrations of the American Pharmaceutical Association, THE PRESIDENT said that he had taken part in two meetings of the Association's convention, and had been invited to give an address. He thanked the Council for having allowed him to fulfil that duty and reported that Mr. D. E. Francke (president of the American Association) had said that they regarded it as a great honour that the Pharmaceutical Society of Great Britain had sent a representative. The President added that the illuminated address on vellum which he had presented was well worthy of the Society. Eighteen countries had sent representatives and all of them had presented addresses, Mr. Tristram added that he had been treated in a very friendly manner by American pharmacists. Mr. F. C. Wilson said he thought that the Council would also wish to thank the president and the American Association, motion was seconded by Mr. A. A. Mel-DRUM and approved. It was reported that the president and Mr. H. N. Linstead (a secretary) had discussed with Commonwealth pharmacists present at the Convention the Council's proposal to hold a meeting of Commonwealth representatives in London in 1953 in connection with the British Pharmaceutical Conference. proposal had been strongly supported and tentative suggestions as to details had been made.

The Council considered a report of the discussion on assistants in pharmacy at the recent Branch Representatives' meeting, held in Nottingham, decided to proceed with the proposals put forward in the report submitted to the meeting, and re-

ferred to the Public Services Committee the drafting of a scheme for training, examination and control of employment of assistants. It was reported that 155 representatives of sixty-nine Branches attended the meeting. The secretary was asked to send a circular letter to the Branches emphasising the importance of all Branches being represented at such meetings. The minutes of the first meeting of the committee formed to promote the study of the history of pharmacy in Britain were received. Mr. L. G. Matthews was elected chairman of the committee, the other members of which are Messrs. H. Bayles, E. C. Cripps, A. J. Fairlee, W. H. Hampton, and E. Saville Peck, Dr. J. M. Rowson, and Messsrs. G. E. Trease and F. C. Wilson, with Miss Lothian as secretary.

Branch Organisation

A report on replies of Branches to the letter on the question of regional organisation showed that forty-seven Branches had so far sent in their views. On the recommendation of the Organisation Committee it was decided that a letter requesting their comments should be sent to the Branches that had not replied. The committee reviewed the effect of the 25 per cent, increase in the Branch grant, It was recommended (and the Council approved) that no change should be made, but that the position should be reviewed in a year.

DR. B. A. Young (chairman of the Publications Committee), presenting his report, referred with pleasure to the simultaneous publication of "Antibiotics" and the twenty-third edition of "Martindale's Extra Pharmacopæia, Volume I." Thanks were due to the experts who had made such excellent contributions to the former. to Mr. H. Treves Brown who co-ordinated the various sections, to Dr. K. R. Capper for his general direction, and to Mr. Jolly the detailed editorial work. For "Martindale, Volume I," thanks were due to the experts in the various fields of medicine, pharmacy and allied sciences who had contributed. Their special thanks and congratulations were given to Mr. T. C. Denston, who had begun the revision in 1949; to Dr. K. R. Capper, the present editor, who continued the work in January 1950; to Mr. S. L. Ward, who had done so much to maintain continuity over the years in producing this and other editions of "Martindale"; and to all the members of the staff. He hoped that the Council might think it appropriate to

place their thanks on record. THE PRESI-DENT said that they might add a tribute to the Publications Manager on the large orders that had been received for these books soon after their publication. It was agreed to record the Council's thanks to

all concerned.

The Education Committee presented a report stating that sympathetic consideration would be given in future to applications for the recognition as practical training of two years' continuous employment, subsequent to the final examination, as junior lecturer in pharmaceutical subjects with two full days per week spent in a pharmacy or hospital under approved conditions. The Council endorsed that decision. The committee gave approval to four hospitals for the purpose of practical training; one application was deferred. A manufacturing laboratory was also approved; one application was deferred. It was reported that since the previous meeting of the committee, 142 applications from pharmacies had been granted and approval was given to one further application. It was reported that on the previous authority of the Council, approval had been granted to the Liverpool School of Pharmacy for one two-year course for the Society's Qualifying examination beginning in September 1952.

Council's Awards

It was reported that the president, by authority of the Council, had awarded the Pereira medal for 1952 to Alan Rowland Rogers. No candidate obtained the minimum marks for the award of the silver or bronze medals, and THE PRESIDENT directed that those awards should be not made for 1952. Mr. L. E. Coles, Cardiff, to whom the Pharmaceutical Society scholarship for 1952-54 was awarded, had been mable to accept, having obtained a grant

for medical research.

Reports of the results of examinations held in July were received. In England and Wales 118 candidates entered for the Pharmaceutical Chemist Qualifying examination; thirty-four passed; twenty-nine ailed; thirty-three were referred in one ubject and nineteen in two subjects; three were absent seven out of fourteen entrants assed in a referred subject, and seven out of nine entrants for two referred subjects passed, the other two being again referred in two subjects. Ten out of twelve andidates passed (under Regulation 28) in orensic pharmacy. In Scotland there were 33 candidates for the examination, and wenty-three for two subjects. Of twelve

re-entrants for a referred subject, seven passed, and of six re-entrants for two referred subjects, four passed. One candidate for forensic pharmacy passed. In the Intermediate examination 174 candidates entered and seventy passed, 72 failed, 31 were referred, and one was absent; fourteen out of twenty-seven entrants passed in a referred subject. In the Chemist and Druggist Qualifying examination there were 129 candidates; sixty-four passed, thirty-three failed, thirty-one were referred and one was absent. Three entrants for a referred subject passed.

THE REGISTRAR reported that since the previous meeting 309 persons had been registered as apprentices or students, making a total of 621 in the current year. Two names removed from the registers more

than ten years ago were restored.

Ethical Committee

The Ethical Committee considered the report of the discussion at the Branch Representatives' meeting on the subject of the draft revised statement on matters of professional conduct. It was decided that a report on the points raised should be prepared with a view to its publication.

The Benevolent Fund and War Aid Committee's report stated that grants amounting to £147 had been made to five widows; recommendations for grants amounting to £897 to nine widows; were approved, together with a grant of £104 to a member; four applications were deferred and in one case no grant was made. The action of the Secretary in making payments of £17 12s. for a member was confirmed, and grants for medical examination and treatment in the same case to the amount of £47 5s. were authorised. Grants amounting to £1,499 12s. were made from the Fund in the September quarter to twenty-two applicants (twenty grants and £1,957 16s. 6d. in the same quarter of 1951). Receipts in the quarter were £10,683, including subscriptions of £6,356 (£11,437 and £6,167). There were also receipts from legacies and other special sources amounting to £2,390. From the War Aid Fund a grant of £20 was made to a member and the Council authorised grants to another member and a widow amounting to £231. Two applications were deferred. In the September quarter, grants amounting to £314 were made from The Council agreed with the the Fund. Committee that there should be no change in the charges for guests at Birdsgrove House.

BRANCH AND ASSOCIATION MEETINGS

Legislation Affecting Pharmacy. — A joint meeting of the Edinburgh and Southeast Scottish and the Dundee and Eastern Scottish Branches of the Pharmaceutical Society was held in Kirkcaldy, recently, Mr. Frank Hepburn in the chair, Mr. W. R. Roberts (chief inspector of the Pharmaceutical Society) in an address on "Recent Legislation Affecting the Practice of Pharmacy" said that it was difficult at times to get classification for poisons used in agriculture and horticulture. Whilst a large number of substances were listed under the Dangerous Drugs Acts and regulations, only a limited number were used in British pharmacy. It was the desire of the World Health Convention that all such substances should be included. He stressed the value of keeping up-to-date with the Poisons List. The police had no authority to question the supply of an amount of drug to any person if the prescription covered the quantity; if further evidence was wanted the police must apply to the prescriber.

Topical Affairs. — The vice-president of the Pharmaceutical Society (Mr. T. Heseltine) gave an address on "Current Pharmaceutical Affairs" to the Society's Harrogate Branch, at its opening meeting of the 1952-53 session, held in Harrogate, on October 2. He said that National Health Service pricing was now ten months in arrears, with 1582 million prescriptions still unpriced. He added that, in fairness to private chemists, a Ministry of Health proposal of an average payment to shorten arrears had been rejected. Mr. Heseltine advised members to consider in detail the Council's recent statement on pharmaceutical ethics. Mr. C. D. Fraser said that an ethical pharmacy depended on profit. It did not pay to be "purely ethical." Other members agreed, Mr. Heseltine said he understood that a window display based on dispensing was considered unethical. Some members asked for information on what constituted an ethical display. The speaker said that more thought should be given before status was given to unqualified assistants in retail. The meeting agreed that the Society should tackle the problem.

Topical Discussions at Leicester. — At a meeting of the Leicester Branch of the Pharmaceutical Society held on September 24, reports of the Branch's three representatives to the Branch Representatives' meeting held at Nottingham recently

were received and discussed. The Branch meeting felt that the Society should take action to encourage the formation of a pharmaceutical Army Corps. Pharmacists should be entitled to commissions in the Armed Forces. While agreeing in principle with the Council statement on professional conduct members did not want non-pharmaceutical traders to be in a stronger trading position (because less restricted) than pharmacists. It was decided to send a questionnaire to all Branch members to determine their views on the quesiton of unqualified assistants. It was decided to form an emergency locum register for which local pharmacists were asked to submit their names if they were available, and to reserve a short time at each meeting for the discussion of prescription queries.—A small party from the Branch recently visited the Leicester Public Health Laboratories where bacteriological tests on milk and routine tests for the Leicester Isolation Hospital and Sanatorium were carried out.

Lecture on the N.F.—An address on "The New National Formulary" was given by Dr. K. R. Capper (editor, scientific publications department of the Pharmaceutical Society) at the first meeting of the 1952-53 session of the West Middlesex Chemists' Association and Branch of the Society, held in Ealing on September 16. Dr. Capper described the production of the new formulary and gave an account of the pharmacy behind it. The following were some of the answers given by Dr. Capper at question-time:—1. A stock double strength of solution of benzoic acid has proved satisfactory. 2. For dispensing of drugs originated as ethical proprietaries the list of approved names in the index at the back of the Formulary should be consulted and the Drug Tariff used to decide what can be supplied. 3. The synonym "mist, tussi rub, pro infans." was inserted for "linct. ipecac. c scill. pro infans" because of the popularity of that title. 4. "Mist. ipecac. ammon. pro infans" has become "mist. ipecac. pro infans" because the addition of ammonium bicarbonate was considered to have no therapeutic value. 5. The poor keeping properties of the present syrup of raspberry is beyond pharmaceutical control because it is classified as a food. Negotiations, however, were in progress with the Ministry of Food on the matter.

MORE TAX-FREE MEDICINES

The Treasury has made an Order, the Purchase Tax (No. 5) Order, 1952 (S.I. 1952, No. 1750), effective from October 6, bringing into force a new and extended list of drugs and medicines that are free of purchase tax. Alterations and new entries are:—

HEAD I: Diamminosilver nitrate and germicidal cements and fillings prepared for use in dental surgery.

Head II: Acetylcholine, methacholine, and salts thereof; 2-amino-5-nitrothiazole; calcium borogluconate with or without the addition of magnesium hypophosphite and dextrose; 1-cyclohexyl-1-phenyl-3-pyrrolidinopropan-1-ol hydrochloride; 5:7-dichloro-8-hydroxyquinaldine; 2-diethylaminoethyl xanthene-9-carboxylate methobromide; 2-dimethylaminoethyl succinate quaternary salts; ethyl biscoumacetate; ion-exchange resins; 5-nitro-2-furaldehyde semicarbazone; phenylindanedione; 3:5:5-trimethylcyclohexanol mandelate; preparations containing the hæmostatic enzyme known as thrombokinase.

Head III: Alkaloids of Veratrum viride; 4-aminomethylbenzenesu'phonamide and salts thereof; barbituric acid and thiobarbituric acid, derivatives and salts thereof, whether or not mixed with

amidopyrine or phenyldimethylisopropylpyrazolone; 4-n-butyl-1:2p-N-glycollylarsanilate; diphenylpyrazolidine-3:5-dione; caffeine, caffeine citrate, caffeine and sodium benzoate, caffeine and sodium iodide, and caffeine and sodium salicylate; chloroquine, and salts thereof; 4-(3-diethylaminomethyl-4-hydroxyanilino)-7-chloroquinoline; di-iodohydroxyquinoline; p-(di-n-propylsulphamyl) benzoic acid; 5-ethylhexahydro-5-phenylpyrimidine-4:6dione; folic acid or derivatives thereof, whether or not combined with a salt of iron; 1-(4-hydroxyphenyl)-2-methylaminoethanol and salts thereof; hyoscine and salts thereof; quaternary derivatives of hyoscine, and salts of such derivatives; liver extracts and active principles of liver whether or not combined with any of the following substances, that is to say, yeast or yeast concentrates, or salts of iron, of manganese or of copper; methimazole; methorphinan, and salts thereof; N-methyl-alpha-phenylsuc-cinimide; nikethamide, whether or not combined with either or both of the following substances, that is to say, adenosine or calcium thiocyanate; l-noradrenaline; theophylline, whether or not combined with any of the following substances, that is to say ethylenediamine, methyl glucamine, monoethanolamine, or sodium glycinate; undecenoic acid and the zinc salt thereof; vitamins, vitamin complexes and provitamins, whether or not combined with salts of calcium.

A NEW LONG-ACTING ANÆSTHETIC

A NEW presentation of two established local anæsthetics, procaine and butyl aminobenzoate, has been found in America to produce local anæsthesia for six to twelve days or more from a single dose, and to have a special use in controlling post-operative pain. Under the name Efocaine, a preparation of the two compounds has been marketed in America by E. Fougera & Co., Inc., New York. Efocaine is shortly to be manufactured in Great Britain by the Crookes Laboratories, Ltd., Park Royal, London, N.W.10, for distribution throughout the United Kingdom and British Commonwealth. The product consists of procaine, 1 per cent.; procaine hydrochloride, 0.25 per cent.; and butylp-aminobenzoate, 5 per cent., dissolved in a water miscible base comprising polyethylene glycol-300, 2 per cent.; propylene glycol, 78 per cent.; and water. For preservatives sodium metabisulphite, o.i per and phenyl mercuric borate, 1:25,000, are used. Procaine and butyl aminobenzoate are nearly insoluble in water, and on coming into contact with tissue fluids after injection they are precipitated as a microcrystalline depôt that is slowly absorbed. Post-operatively Efocaine is injected at the site of operation. Trials show that it does not interfere

with wound healing or cause encapsulation, abscesses, foreign-body reactions, tissue slough, etc. It appears to be free from toxicity, and obviates the use of narcotics and vasoconstrictors in pain relief. The new anæsthetic is designed for injection by the subcutaneous and intramuscular routes, and is administered with standard local anæsthetic techniques for infiltration and nerve block. Efocaine has been shown to be effective in controlling pain following rectal, abdominal, and thoracic operations, after tonsillectomies, and for the relief of pain in minor surgery such as excision of sebaceous cysts, incision for paronychia, etc. It is also indicated for relief of pain due to localised pruritis, fractured ribs, pleurisy, sprains and lowback pain.

Among other advantages claimed for the use of Efocaine are the virtual elimination of the need for catheterisation following ano-rectal surgery; the facilitation of productive coughing and reduction to a minimum of risk of partial collapse of the lung following upper abdominal surgery; earlier ambulation of patients; reduced need for nursing attention; and more pleasant convalescence. Supplies should be available in Britain during

October.



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VOL. CLVIII October 11, 1952

No. 3790

No Takers?

THE Ministry of Health has put forward nany proposals for wiping off the accunulated arrears of unpriced N.H.S. precriptions. Most of the schemes have been ejected after the barest scrutiny by the Central N.H.S. (Chemist Contractors) committee, which needed no second glance p appreciate that the schemes would not perate equitably as between one contracor and the next. The Ministry's most cent proposal has had a rather different areer but much the same outcome. rea conference at Cambridge of reprentatives of National Pharmaceutical nion branches voted in favour of its beg carefully and sympathetically examined the Committee with a view to ending deadlock that has lasted long enough. Presumably after such an examination, e contractors, however hopefully they ent about their task, found the suggested eraging method (p. 490), as unacceptle as those that went before. At all ents they will not only have none of it; ey will not even undertake to submit the oposals to their constituents, though ey have raised no objection to the Minry's approaching contractors direct.

Within a few days the Ministry will nand from each one a yes or no, and lure to reply is expected to be interted as acceptance. As it is clear that her apathy or positive acceptance would tantamount to a rebuff to the Central L.S. Committee, the members of that mmittee must be wholly confident that proposals will be rejected.

Limitations of Isoniazid

THE availability, in potentially unlimited amounts of isoniazid, a drug of great possibilities and dangers in the treatment of tuberculosis, called for an early authoritative statement on its value. The tuberculosis chemotherapy trials committee of the Medical Research Council (see p. 507) (and the doctors and other workers at the thirty-nine hospitals who worked with them) have met this need, and in so doing have provided possibly something new in the way of organising wide-scale controlled trials requiring continuous analysis of accumulating data, for the Committee's interim report was ready six months after commencement of the trials. The investigations show that isoniazid and para-aminosalicylic acid with streptomycin provide treatments which, at least at the end of three months, give comparable results. The only statistically significant difference between the two forms of treatment was in the amount of weight gained by patients. The condition of patients taking isoniazid was slightly better perhaps because of the absence of nausea, etc., associated often with PAS. tain other aspects the streptomycin and PAS treatment showed on the other hand a slight advantage over isoniazid. chief advantage of isoniazid seems to be its lack of toxicity, treatment having had to be withdrawn from only one patient, against seven on the streptomycin and PAS treatment. The great disadvantage of the compound, however, is the quick appearance of resistance to it, a disadvantage that is clinically significant, since it was linked radiologically with lack of improvement. Preliminary trials aimed at reducing the resistance by combining isoniazid with other drugs (for example, streptomycin) give cause for hope, but much more information must be obtained before the results can be finally accepted.

Breathing Space

In the first half of 1952 the United Kingdom earned a payments surplus of £24 millions against a deficit of £394 millions in the second half of 1951, according to a White Paper (Cmd. 8666) issued on October 6. With only the monthly trade

figures (which do not take into consideration invisible income) to work on, the fact that the country's overall payments were so much improved must have given economists and the like a pleasant shock. The statistics show several factors that contributed to the improved trade position, but by far the largest cause was the reduction in United Kingdom imports, which between the two half-years amounted to £248 millions. Exports and re-exports improved by only £111 millions.

Whilst there is some satisfaction that the country is advancing on its way towards solvency, the figures give no cause for relaxation of effort by any industry. The decline in exports due to restrictions abroad and the lower prices of export goods will undoubtedly be more fully reflected in the current half-year. Moreover, import reductions of the order mentioned can only have been achieved by a substantial running-down of raw material stocks, and sooner or later these will have

to be rebuilt—at a time, too, when it is becoming harder to maintain exports.

Private Companies and Taxation

ALTHOUGH the number of private companies on the Board of Trade's register increases year by year (see C. & D., September 6, p. 305), the real capital of such businesses is being badly affected by heavy taxation. As the "Economist" (September 27) points out, there are two discriminating burdens that "most obviously" need to be alleviated. They are those laid by the distribution profits tax on director-controlled private companies and those laid by death duties on business assets far above their realisable value.

A direct approach along those lines habeen made to the Chancellor of the Exchequer and the Royal Commission of Taxation by the Institute of Directors (see p. 490). The Institute rightly comment that the disappearance of the privat limited company "would be a disaster."

CORRESPONDENCE

Medical Propaganda and N.H.S.

SIR,—Your correspondent C. H. Patrick (C. & D., October 4, p. 477) would do well to get his facts correct. Let him consider the following:—

(1) The multiple firm he attacks is one of the leading manufacturers of medical products and was using propaganda and advertisement to the medical profession long before the coming of N.H.S.

(2) Elementary observation on his part will lead him to advertisements in past issues of pharmaceutical papers urging him to lay in stocks of certain products, giving details of trade discounts and informing him from where he can buy.

(3) Branch managers of the retail companies are encouraged to supply private chemists with medical products of the company for prescription, and that has always been the case. To demand discount is unnecessary—it has always been automatically given, but wholesalers can supply at the usual terms.

(4) Why should he worry about losing EC10 customers whose forms have a name on them? He possesses a qualification (apparently unique to private pharmacists) which is extra and valuable — that of

"wealth of experience"! What impudence, to suggest that it should be mad illegal for a company that was one of th pioneers in insulin and penicillin production to manufacture ethical products!

BRANCH MANAGER.

SIR, - The letter from C. H. Patrice (C. & D., October 4, p. 477) entitle "Inviting Disaster" raises a most impo tant point. Should a contractor under th National Health Service be allowed send representatives, circulars and other advertising material to doctors to influen the prescribing of his own product ar increase his own dispensing business? Th form of advertising of dispensing servic warrants early consideration by the Societ the National Pharmaceutical Union ar the Ministry of Health. Probably one the most widely prescribed products of the multiple chemists in question is a no drop preparation. It is interesting to no that this is packaged in two ways; fir in a green and grey carton which is pr minently displayed on the counters and the windows of some 1,200 branches, at secondly, in a plain black-and-white carte which is supplied to other pharmacists meet N.H.S. prescriptions.

Newcastle-on-Tyne. A. McO. Laws.

ISONIAZID TESTED IN TUBERCULOSIS

THE tuberculosis chemotherapy trials committee of the Medical Research Council has issued an interim report ("British Medical Journal," 1952.2.735-46) on its trials of isoniazid in pulmonary tuberculosis. The committee concludes, from the short-term (three months) observations that isoniazid is a "very effective drug in pulmonary tuberculosis," but that, given alone, it is not more effective than streptonycin plus paraminosalicylic acid. emergence of resistance during treatment s described as a "most serious problem" affecting the use of the drug. For the present, the committee warns that the indiscriminate and widespread use of isopiazid either alone or in combination is ot justified.

Over 300 Patients

The trials were conducted on 331 patients suffering from various forms of oulmonary tuberculosis. One hundred and eventy-three of the patients were treated vith isoniazid 200 mgm. daily, and the emainder received streptomycin, 1 gm. nd paraminosalicylic acid, 20 gm. daily. reatment was allocated at random to the atients and neither patient nor physician new the type of treatment being given. t the end of three months isoniazid had hown little toxicity, and there was a ightly greater improvement in general ondition in the patients receiving that drug nan in the others. The average weight ains in the patients receiving isoniazid I lb.) were greater than in those receivg PAS and streptomycin (6 lb.). exicity symptoms noted from isoniazid eatment included drowsiness (8 per cent.); crease of deep reflexes (13 per cent.); emor of the limbs (12 per cent.); twitchg of the legs (reported in two cases only, oth in the third month); and disturbances micturition. There were four cases of nervous" reaction. In only one case d the administration of the drug to be ppped. Radiological improvements were tter with acute cases in both series treatments. In patients receiving strepmycin and PAS there were deterioration ported in one case and three deaths, nile in those under isoniazid treatment ere were deterioration in ten cases and e death. Investigation into the developent of resistance to isoniazid showed that the end of one month 78 per cent. of cases with positive sputum were of sitive organisms, 12 per cent. were

doubtful and 11 per cent. resistant (to only I microgram per mil); at the end of two months 29 per cent. were sensitive, 19 per cent. doubtful and 52 per cent. resistant (a third of them highly resistant); while at the end of the three months only 5 per cent. of the cases examined were sensitive, 24 per cent. were doubtful and 71 per cent. were resistant (more than half being highly resistant). The emergence of drug resistance was found to account for lack of progress as determined by radiological examination. Preliminary results for a third treatment series suggest that if a combination of isoniazid with streptomycin is administered, sensitive bacilli remain sensitive. Much more information has to be obtained, however.

The committee's trials are still in progress with over 750 patients and the effect of combining isoniazid with other drugs to overcome the development of resistance

is being closely studied.

A PHARMACIST'S ANTHOLOGY

"Well!" said Mr. Winkle [in the apothecary's shop]. "This is indeed a pleasure I did not expect. What a very nice place you have here!"

"Pretty well, pretty well," replied Bob Sawyer. "I passed, soon after that prescious party, and my friends came down with the needful for this business; so I put on a black suit of clothes, and a pair of spectacles, and came here to look as solemn as I could." "And a very snug little business you have, no doubt?" said Mr. Winkle, knowingly. "Very," replied Bob Sawyer. "So snug, that at the end of a few years you might put all the prooff a few years you might put an the profits in a wine glass, and cover 'em over with a gooseberry leaf." "You cannot surely mean that?" said Mr. Winkle. "The stock itself—" "Dummies, my dear boy," said Bob Sawyer; "half the drawers have nothing in 'em, and the other half don't open." "Nonsense!" said Mr. Winkle. "Fact-honor!" returned Bob Sawyer, stepping out into the shop, and demonstrating the veracity of the assertion by divers hard pulls at the little gilt knobs on the counterfeit drawers. "Hardly anything real in the shop but the leeches, and they are second-hand."

From "Pickwick Papers," by Charles Dickens.

A NEW PHARMACY AT MAYBOLE, AYRSHIR

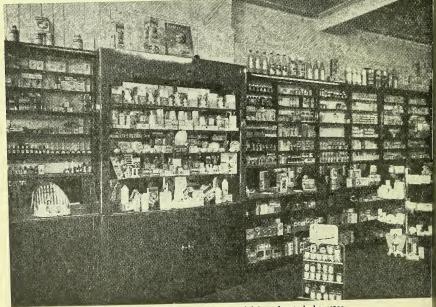
premises were recently opened by J. Mar-tin W. Lindsay & Son, chemists at 71 High Street, Maybole, Ayrshire. The front shop is finished in frenchpolished Lagos mahogany. The 7 ft. 9 in high fittings have flat cover-board for top A specidisplay. ally made mirror-backed "open show" has concealed lighting. In the lower part of the fitment is a storage cupboard with bow-fronted doors. Adjoining are show cases enclosed in

cases enclosed in frameless plate-glass fronts on specially smooth-running rollers. Between top and bottom cases there is a mirror backed

DISPENSING LINDSAY CHEMIST

Facia is of black vitriolite and transome of ribbed glass. When the door opened it operates a "tell-tale" light in the dispensary.

space for open display. Facing the do on entry is a miniature triple-windor shopfront—the "cosmetic windows"—co



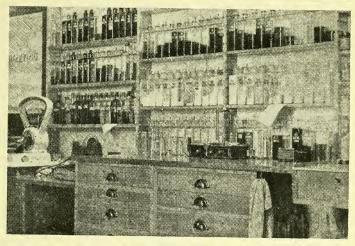
Left side of shop showing the special bow-fronted showcase.





we: At work in dispensary. Top t: A view of the netic display cases: ay window on either of a recessed window, with drawers and boards below. Midright: Dispensing the with heated ointstalb. At foot of: Limited storage e used to advantage

ing of two bay dows on either of a recessed dow. These are by concealed ch - coloured ting. The two nters are of inset type with re glass diss, and shelving e behind. Each nter has two - out flaps wrapping up els, etc., and is d with tubular ing. A pillar ne front shop is sed in mahogand on four are mirrors. iting is by escent lamps 6-ft. tubes to fitting). The ensary is in an mahogany, hed natural. e shopfitters Ayrton-Gra-Ltd.





JULY-TO-SEPTEMBER SHARE MOVEMENTS

By a Financial Correspondent

BUSINESS in drug-trade company shares during the third quarter of 1952 was on a larger scale than in the second quarter with most price movements in favour of holders. Changes consequently followed the general trend of the other industrial sections, a firmer tendency at one time in the Government security section being mentioned as the main factor responsible.

Bright Features

In the higher-priced group, a good feature was evident in Glaxo Laboratories 10s. ordinary which closed 10s. 9d. better at 76s. 3d. after having been transferred up to the new high level of 80s. 6d. in the meantime. Firmness coupled with a regular turnover was also displayed by Reckitt & Sons £1 ordinary which finished 6s. 6d. better at 81s. thus extinguishing the loss they experienced during the second quarter. Elsewhere, Allen & Hanburys £1 ordinary closed about 2s. higher at 58s. 4½d.

In the medium-priced group, Borax Consolidated £1 deferred closed 3s. 71d. to the good at 36s. 7½d. and were the centre of fairly regular business for most of the period. Trading on most business days was also done in Monsanto Chemicals 5s. ordinary which finished 4s. 6d. higher at 27s. Elsewhere in this group, Wright, Layman & Umney £1 ordinary were priced about 4s. higher at the new high level of 25s., but the recorded volume of business was very small so it is doubtful whether this move can be regarded as having been properly established. Boots Pure Drug 5s. ordinary finished sevenpence-halfpenny higher at 19s. 10½d. Aspro 5s. ordinary were again a fairly marketable security and finished 1s. 41d. better at 18s. 41d., after having been transferred up to 19s. 6d. Beecham Group 2s. 6d. deferred continued to make fairly regular appearances in the list of markings and finished about 1s. higher at 11s. $10\frac{1}{2}$ d.

Adverse price movements were provided by W. J. Bush & Co. £1 ordinary which closed nearly 5s. 6d. down at 46s. Elsewhere, Evans Medical Supplies 5s. ordinary finished a few pence off at 5s. 10½d. Amber Chemical Industries 2s. ordinary shares were priced 1s. 3d. lower at ninepence with dealing conditions difficult. The preference share section was noteworthy in that the firming trend reported last time was continued. A feature was provided by

Savory & Moore £1 5½ per cent. redeem able cumulatives which were valued 2s. 1½d. higher at 18s. 4½d. Beecham Mac lean Holdings 4 per cent. redeemable cumulatives closed sevenpence-halfpenn better at 15s. 7½d. Elsewhere, Tay lors (Cash Chemists) first 6 per cent. wer valued 1s. 7½d. higher at 20s. 7½d., bu Taylors (Cash Chemists), London, £1 per cent. were valued, without quotable change, at 20s. 7½d.

Name of Company	195			
£ 1 units unless otherwise stated	Нісн	Low	LATES	
Albright & Wilson, 5s. Allen & Hanburys, ord. Do. 7% prefd. ord.	s. d 18 3 65 4½ 24 4½	s. d: 14 1½ 52 0 22 0	s. d. 15 6 58 4 23 1	
Amber Chemical Industries, 2s Aspro, 5s Barclay & Sons	2 6 22 0 30 $7\frac{1}{2}$. 9 16 9 30 0	18· 4 30 C	
defd Beecham Maclean Hold-	15 0	10 0	11 10	
pref Boots Pure Drug, 5s. Boots (Eastern), 6%	16 3 22 10 ¹ / ₂	13 0 16 10½	15 7	
cum. A prefd Boots (Western), 7%	23 0	21 0	23	
A prefd. ord. Borax Consolidated defd. British Drug Houses,	27 0 37 6	24 3 31 9	25 36	
Bush, W. J. & Co Dubarry Perfumery, 1s. Dufay, 2s	9 9 61 3 1 9	7 3 45 9 9	9 46 1	
Evans Medical Supplies, 5s Glaxo Laboratories, 10s.	80 6 7 7 ¹ / ₂	5 6 63 6	5 1 76	
Glaxo Laboratories, 10s. 8% cum. prefd. ord. Greef Chemical Hold-	15 4½	13 6	14	
ings, 5s Howards & Sons, 5½%	18 0	13 0	15	
cum. pref Ilford, 5s Monsanto Chemicals, 5s. Reckitt & Sons	19 3 14 9 28 9 94 0	18 3 11 1½ 21 6 73 3	19 12 27 81	
Savory & Moore, 5½% red. cum. pref Smith & Nephew & As-	18 9	14 4½	18	
sociated Cos., 4s Solidol Chemical, 2s. Southalls (Birmingham),	20 9 3	16 9 12	18	
5s Taylors (Cash Chemists) London, 6% cum.	33 9	19 6	21	
pref Taylors (Cash Chemists)	21 3	17 102	20	
Trust, 6% cum. pref. Vitamins, 1s Whites, Timothy &	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	18 3	20	
Taylors, 5s Do. 7½% cum. pref	29 9	23 0 24 0	26 25	
Wright, Layman & Um- ney Yardley & Co., 4s Do. 4s. A Do. 4½% 2nd pref	25 0 21 0 21 3	21 3 18 3 17 6 15 0	25 20 20 16	

ELECTRONIC STERILISATION

THE Department of Scientific and Indusrial Research has issued a summary of the rogress in research on electronic steriliation. A meeting was held in London ecently to discuss its application to phar-

naceutical products.

Dr. R. S. Hannan (low temperature reearch station), who had recently spent two nonths in the U.S.A. studying the elecronic sterilisation of foods, gave an outine of the position. The use of high elocity electrons and gamma rays were oth being studied. The former were obained from electron accelerators and the atter from radioactive cobalt 60. They oth supplied energy insufficient to induce adioactivity in irradiated products. piological effects of such radiations had een studied and the ability to kill baceria was proved. In general, large organsms were more easily killed than small nes. Viruses and enzymes usually required nore intense radiation for their destruction. Toxins, etc., would be even more resistant. Chemical effects were direct or indirect. indirect effects were caused by free radials, formed from irradiated water moleules, diffusing through the liquid to atack sensitive solute molecules and producng objectionable oxidation or reduction roducts. Such changes were, however, mall, e.g., the hydrogen peroxide prouced in pure water amounted to about ven parts per million.

ontrol of Side Effects

A number of methods of control of these fects, including the following, had been vestigated:—(a) Freezing the solvent revented diffusion and considerable proction could often be obtained; (b) reoval of oxygen led to a reduction of oxiative effects; (c) protecting agents, e.g., corbic acid, could be added to compete r the free radicals; (d) pulsed radiation as been said to be more effective than ntinuous radiation; (e) methods might so be found for sensitising the bacteria the radiation, thus decreasing the sterili-tion "dose," e.g., a recent patent sugsted that working under pressure of an ert gas gave an enhanced killing effect. The following products were known to we been electronically sterilised in the .S.A.:—Sutures and surgical dressings; od plasma (both bacterial and viral intivation); drugs, including penicillin d streptomycin; essential oils; arterial

grafts from dogs and humans; and vaccines prepared by killing organisms by irradiation. The main advantages of the process were as follows:—(a) The sterilisation of heat sensitive materials would be possible; (b) almost any type of sealed container could be used; (c) in some cases new products might be prepared, e.g., vaccines. Disadvantages were:—(a) The initial capital cost was likely to be large. However, the latest American electron generator costing £140,000 would sterilise about I ton of material per hour at a cost of 1¹/₂d. per lb. A cobalt 60 source now costing £2,000 could sterilise about 7 lb. of material per day for 1s. per lb.; (b) toxicity or long-term effects might be induced; (c) enzymes in the material would probably not be inactivated by a sterilisation dose.

Position in Britain

In Britain the number of available electron accelerators was small and those were in use at research institutions where they were heavily committed. A co-ordinated research programme could probably be arranged and manufacturers of accelerators might be prepared to co-operate if industry showed an active interest. Two manufacturers were engaged on a programme of providing accelerators for the Medical Research Council. A few cobalt 60 sources are being made available by the Atomic Energy Research Establishment, Harwell.

The industrial hazards from the radiations during sterilisation were well understood and complete protection could be obtained either by erecting the generator below ground level or surrounding it with concrete. Imperial Chemical Industries, Ltd., and Metropolitan-Vickers Radiation Laboratory reported that they had collaborated in a number of experiments. number of drugs had been irradiated and no symptoms of toxicity had been pro-Even a sample of soil had been duced. shown to be completely sterile after irradiation. The training of personnel to work under aseptic conditions was considered expensive and wasteful. If electronic sterilisation proved practical the cost of the equipment should be recovered in a very few years' working. Antibiotics, surgical sutures and powders intended for re-solution and injection could advantageously be treated.

ANALYTICAL CHEMISTRY CONGRESS

THE first congress to be organised by the analytical section (founded 1945) of the International Union of Pure and Applied Chemistry was held in Oxford recently.

Novel Methods

Among the papers were a number dealing with novel methods of analysis, including the use of ion-exchange resins. Mr. E. R. Tompkins (U.S. Naval Radiological Defence Laboratory, California-U.S.A.) mentioned that the widest application of the resins in analysis was in removing interfering ions in precipitation reactions. Sometimes it was possible to substitute an easily determined ion in the exchanger for one difficult to determine in a solution. The amount of ion present in the original solution could be calculated from the amount of replaced ion found to be present in the effluent.

MR. S. M. PARTRIDGE said he had conducted work at the University of Cambridge and laboratories of the Department of Scientific and Industrial Research which showed that a large range of plant substances could be separated by the use of simple synthetic resins. An important application would be the preparation biosynthetically of amino acids labelled with nitrogen 15 cambon 14 or carbon 14

nitrogen 15, carbon 13, or carbon 14.

MESSRS. L. D. HAMILTON, S. H. HUNTER and L. PROVASOLI, New York, described the use of protozoa in analysis. Planktonic algal flagellates seemed especially promising as ultra-sensitive assay organisms in the estimation of certain free vitamins.

Mr. D. J. D. Nicholas (Bristol University) had studied the trace element requirements of fungi with regard to their use in determining trace metals in biological materials. He discussed the importance of the use of fungi that detect trace metals in complex materials such as vitamin B₁₂.

Messrs. D. M. Tennent and W. H. Ott (Merck Institute for Therapeutic Research, Rahway, New Jersey, U.S.A.), described a way of assaying pyrogens by the febrile response in rabbits, An approach to the establishment of ph standards was made by Mr. R. G. Bates (National Bureau of Standards, Washington, D.C., U.S.A.). For the measured ph to be of greatest value to the chemist, he said, its rôle should be clarified. The problem could be solved partly by the assignment of ph values that represent a conventional hydrogen ion activity in the solutions.

MR. J. KING (Government Laboratory, London) described work which he had done by the "screening" of indicators to bring about more desirable colour changes. The most desirable characteristics of an indicator were that the change should be quick, particularly at the point of titrimetric neutrality; that the changes should easily be memorised; and that the colours should retain their brightness.

MISS D. C. MULLER, New Mexico U.S.A., described the use of semi-auto matic instruments in elucidating the results of chromatography; and Messres G. C. Barker and I. L. Jenkins, Harwell England, the method for eliminating the undesirable effect of the double-layer current of an a.c. polarograph by the us of a square-wave voltage.

Exhibition

An exhibition of instruments and appa ratus, etc., was held in Oxford during th Congress. The exhibition included a dis play of apparatus, some of it arranged fo specific techniques. A hygienic distille watergun, for example, serving the pur pose of a wash bottle, was shown by th Department of Scientific and Industria Research. Distilled water from a 10-litr flask and kept under pressure by han bellows flows to a jet controlled by a trigger mechanism.

May & Baker, Ltd., Dagenhan showed a spectrophotometric attachmer for use in paper chromatography; an electronic titrimeter for "dead-stop" titra tions which provides an audible signal a the end-point (thus enabling the analy to concentrate on the titration withou visual distractions); and a cathode ra polarograph for routine analysis. An ic exchange resin apparatus for the prepara tion of conductivity water was shown b the National Institute for Medical R search, Mill Hill, London; quantitative is organic paper chromatograms, and automatic horizontal micro-burette by tl Microchemistry Department, Universi of Brussels; and a seléction of microch mical apparatus from Norwood Technic College, London, A demonstration of the analysis of glycerin was shown by Imp rial Chemical Industries, Ltd.; an aut matic potentiometric titration equipme by Kodak, Ltd.; and an all-glass unit f micro-electrophoresis on filter paper Dr. E. Kawerau (Department of Chemic Pathology, St. Mary's Hospital, London

STATUTORY COMMITTEE DECISIONS

HE Statutory Committee of the Pharmacutical Society, meeting in London on october 1, decided "to be lenient and lke no further action" in a case involvng a superintendent pharmacist and a ody corporate in alleged substitution, on venty-four occasions between January 1 nd March 31, of a preparation other an the syrup Calcidrine prescribed on ational Health Service prescriptions. The rescriptions were not marked by the pharacist with words indicating that the comany had dispensed a preparation other an the one prescribed.

For the respondent, evidence was called show that 20 fl. oz. only of the substite preparation had been dispensed. Of at quantity, half was accounted for by escriptions for which the substitute preration had been approved by the docrs concerned, and the other half had en given by mistake, on March 31, but at on other occasions genuine syrup Cal-

drine had been dispensed.

THE CHAIRMAN said they were satisfied at on two occasions on March 31 a bstitution had been made, either delirately or through carelessness, of a marial not identical with what was presbed, and that no indication had been ven by endorsement on the prescriptions at the substitution had taken place. The mmittee felt that the case of the addinal twenty-two alleged substitutions was t proved. The Chairman gave a serious rning to the superintendent pharmacist. The committee next considered the case a pharmacist charged with having been ncerned with the manufacture, distribun and sale of a preparation for infants ntaining tincture of opium. The Society d issued a notice on October 23, 1948, ing practitioners not to sell preparans containing morphine as carminatives children.

Announcing the finding of the commit-, THE CHAIRMAN said there was no diste about the facts, and the pharmacist icerned had given an undertaking to the nmittee that there would be no further e of the preparation containing that in-dient. With knowledge of the Society's nouncement he had previously underen to change his formula, but he had r reverted to the original formula. wever, in view of his present undertak-, and his record of service to the comnity, the committee had decided to take further action.

COMING EVENTS

Monday, October 13

PHARMACEUTICAL SOCIETY OF IRELAND, 18 Shrewsbury Road, Ballsbridge, Dublin, at 8.30 p.m. Annual meeting.

LONDON NURSING EXHIBITION, Seymour Hall, Seymour Place, London, W.1 (open until October

OLDHAM MUNICIPAL TECHNICAL COLLEGE, at 7.30 p.m. First lecture and demonstration in weekly refresher course in pharmaceutics, (Fee 30s. payable on first attendance for course of twenty lectures and demonstrations).

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, The Unicorn, Gidea Park, Romford, at 7.30 p.m. Dr. L. F. Lamerton (physicist, Royal Cancer Hospital, London) on "Uses of Radio-active Materials in the Treatment of Disease."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Mr. T. Reid (a member of the Society's Council) on "A General Survey of Pharmaceutical Affairs."

SOUTH SHIELDS PHARMACISTS' ASSOCIATION, Dorset Café, Ocean Road, South Shields, at 7.30 p.m. Film show by courtesy of Evans Medical Supplies, Ltd.

Tuesday, October 14

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, Middlesex, at 8 p.m. Mr. W. E. Stokes (chief pharmacist, Timothy Whites & Taylors, Ltd.) on "The Retail Pharmacist and the N.H.S."

PRESTON BRANCH, PHARMACEUTICAL SOCIETY, Bull and Royal Hotel, Preston, at 7.45 p.m. Mr. R. Lakeland (British Broadcasting Corporation) on "Broadcasting in the North."

RHYL BRANCH, PHARMAGEUTICAL SOCIETY, Marine Hydro, Rhyl, at 7.30 p.m. Mr. F. Purse (Clerk to the Welsh Joint Pricing Committee) on "The Pricing Bureau and its Work."

Wednesday, October 15

ABERDEEN AND NORTH-EASTERN SCOTTISH BRANCH PHARMACEUTICAL SOCIETY, Station Hotel, Guild Street, Aberdeen, at 7.15 p.m. Complimentary dinner to Mr. W. T. Elder (a member of the Society's Council).

Thursday, October 16

DUNDEE AND EASTERN SCOTTISH BRANCH, PHARMA-CEUTICAL SOCIETY, Mathers Hotel, Dundee, at 7.30 p.m. Dr. D. McCall (resident secretary, Scottish Executive of the Society) on "The Pharmacist and his Relation to the State."

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS and NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. C. K. Simpson (lecturer in forensic medicine, London University) on "Science" in Crime Detection.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Griffin Hotel, Kingston-on-Thames, at 7.45 p.m. Supper meeting.

Friday, October 17

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial Hotel, Hull, at 8 p.m. Mr. C. L. Clarke (Kodak, Ltd.) on "The Fun of Photography."

OYAL INSTITUTE OF CHEMISTRY, Connaught Rooms, Great Queen Street, London, W.C.I, at 6.30 for 7 p.m. Annual dinner-dance.

NATIONAL C.F. WINDOW DISPLAY FORTNIGHT (organised by the Chemists Federation) is being held in Great Britain. October 20 to November 1.

MICROBIOLOGICAL TECHNIQUES—IV

By Edward Gurr, F.L.S., F.R.I.C., F.R.M.S.

Continued from The CHEMIST AND DRUGGIST, 1951.II.760.

THE procedures outlined below can be readily followed at a glance in the laboratory.

Animal Histology

DEMONSTRATION OF MUCUS

Staining solution:

Toluidine blue 2 per cent, aqueous (Michrome brand).

Technique:

1. Formalin fixed material is dehydrated, cleared, and embedded in paraffin wax by the standard technique.

2. Fix sections to slides, remove paraffin wax with xylol, then pass through descending grades

of alcohol down to distilled water.

3. Stain for one minute in the toluidine blue

4. Pour off excess stain, rinse with distilled water, drain well, then plunge the slide into two changes of 95 per cent. alcohol.

5. Rinse with two changes of acetone, then clear in xylol and mount in Cristalite.

Results: Mucus is stained reddish violet, while nuclei are blue, and erythrocytes are yellow to yellowish green.

DEMONSTRATION OF COLLAGEN FIBRES

Staining solutions:

(a) Phenosafranin I per cent. aqueous.

(b) Aniline blue, water soluble I per cent.

aqueous, 20 mils.
Tannic acid 33 per cent. aqueous, 20 mils.

Chloroform, 0.25 mil.

Note: This solution should be freshly prepared as it is liable to deteriorate after a few days. Technique:

1. Pieces of tissue are fixed in absolute alcohol and embedded in celloidin.

2. Stain section for ten minutes in (a), then

wash well in distilled water. 3. Stain for ten to fifteen minutes in (b), then

wash thoroughly in distilled water.
4. Wash quickly in 50 per cent. alcohol, followed by 70 per cent. alcohol.

5. Rinse quickly in two changes of 95 per cent. alcohol.

6. Clear in bergamot oil.

7. Mount in Crystalite. Results: Collagen fibres, blue. Nuclei, red.

DEMONSTRATION OF HYALINE SUBSTANCE

Staining solutions:
(a) Carbol fuchsin (Ziehl Neelsen), 5 mils.

Distilled water, 45 mils.
(b) Methyl green 1 per cent. in 5 per cent. acetic acid.

Technique: t. Paraffin sections are fixed to slides, dewaxed with xylol, then taken through descending grades of alcohol down to distilled water.

2. Stain in the carbol fuchsin solution for fifteen

to forty-five minutes. 3. Wash with distilled water, drain, blot carefully.

4. Dehydrate with absolute alcohol, differentiate and counterstain with the methyl green for two or three minutes.

5. Wash quickly with absolute alcohol clear in xylol and mount in Cristalite or in canada balsam. Results: Hyaline substance, bright red. Nuclei light DIFFERENTIATION OF FRESH AND OLD HYALINE Staining solutions:

(a) Ehrlich haematoxylin.

(b) Phloxine 0.5 per cent. in 25 per cent alcohol (c) Lithium carbonate o.1 per cent. aqueous. Technique:

1. Stain in the haematoxylin solution for five minutes.

2. Wash with water, then stain for half to on minute in (b).

3. Rinse in water, then decolorise in (c).
4. Wash with tap water, then pass through ascending grades of alcohol to absolute.
5. Clear in xylol; then mount in canada balsan or Cristalite.

Results: Fresh hyaline appears as red droplets and threads while older hyaline is colourless to pink Nuclei are stained blue.

DEMONSTRATION OF ELASTIC AND COLLAGEN FIBRE Staining solutions:

(a) Orcein 1 per cent. in 80 per cent. alcohol

50 mils. Hydrochloric acid, 0.5 mil.

(b) Picro-fuchsin (Van Gieson).

Technique: 1. Sections are fixed to slides, dewaxed and taked down to 70 per cent. alcohol in the usual way If the material has been fixed in a fluid containin mercuric chloride, treat 'for the removal of mer curial precipitate by the standard method befor proceeding to the next step.

2. Immerse in (a) in a closed staining jar fo half an hour, or, if the material necessitates it

for a longer period.

Note: Do not stain by flooding the slides as the alcohol in the orcein solution will evaporate leaving a deposit which will settle on and spoil the sections: for this reason it is recommended that sections should be stained in a vertical position i a closed staining jar, thereby avoiding the forms tion of a precipitate.

3. Rinse in 70 per cent. alcohol, then in water
4. Stain with picro-fuchsin for 3-5 minutes.
5. Rinse for two or three seconds, but n

longer, in water.

6. Dehydrate rapidly.

7. Clear in xylol; then mount.

Results: Collagen fibres are stained red, while elastic fibres are brown. Epithelia, muscle, erythro cytes, etc., are stained yellow.

Snags Galore.—"May I have some c Bark and Hack's redcurrant throat pas-tilles, please?" "You need sweet coupor for those," the chemist replied with th air of one who had settled my hash. Bu my blood was up. "I have sweet coupons," I replied with dignity. I have no confectioner's licence," he re torted with triumph. "Can I get ther at a sweetshop then?" I countered. H leaned over the counter with the smu smile of one who is going to laugh las "Well, as a matter of fact one of or branches does have a licence. But the can't get the pastilles." A peripatetic corespondent in the "Lancet."

TRADE REPORT

pot quotations for pharmaceutical chemicals represent the prices for wholesale quantiies of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, OCTOBER 8 ALTHOUGH markets were again quiet for he greater part of the week, a definitely etter undertone was perceptible. In nticipation of receiving import licences, nerchants in some countries abroad have een making inquiries on London for the last time this year. Domestic prices for SANTONIN were reduced by £6 10s. per cilo throughout the scale. Apart from a reluction in the P.R. and technical Engage. luction in the B.P. and technical ETHERS here were no other price changes in the PHARMACEUTICAL and FINE CHEMICALS luring the week.

Makers of Vanillin have cut their chedules by 5s. per lb. to meet competiion. The commodity was previously re-uced in June by a similar amount. Spot upplies of Cascara sagrada remain fully rm, and it is difficult to obtain forward ffers from the United States. Agar also ontinues firm, with demand exceeding upplies. Most Balsams are weak, though fair business has been done in Balsam ERU, mainly for re-export. The increased anzibar export duty on cloves (see C. D., October 4, p. 487) has advanced he shipment prices by threepence per lb.; upplies of spot material are unchanged. ack of demand for Peppers was responible for easier prices for all varieties, nd Podophyllum, which has been in the oldrums for months, can now be bought n the spot at lower than replacement alue. Aleppy green Cardamoms were ightly easier for shipment.

In the Essential Oils market, price ovements also showed a downward rend, especially in spot material. Items flected included the CITRONELLAS, WHITE AMPHOR, LEMONGRASS, Bourbon GER-

NIUM and EUCALYPTUS.

The Ministry of Food states that no hange will be made in the prices of un-fined oils and fats and technical animal its allocated to primary wholesalers and irge trade users during the four-week eriod ending November 1, nor in the rices of refined oils and imported edible nimal fats during the eight-week period ding November 29.

U.S. Drug and Chemical Report NEW YORK, OCTOBER 7 HILE heavy chemicals continued unlanged in price and in better demand, ich items as Menthol, Chlorophyll and number of Essential Oils turned usier in the past week, Brazilian Men-IOL was down 15 cents to \$5.60 per lb. I spot material. The price schedule for ncentrated grades of water soluble lorophyll was reduced \$25 per lb. and

current quotations range from \$56.50 to \$60.00 for the 50 per cent. grade. Pressing competition has forced lower quotations for GUM KARAYA, with No. 1 now 36 cents per lb. (down 4 cents) and No. 2 at 30 cents (4 cents); and No. 3 at 23 cents (3 cents). cents). The minimum for COPAIBA BALSAM cents). The minimum for Copalba Balsam has been set at \$1.15 per lb. by one supplier (down 10 cents). Whole Liquorice root is cheaper at 5½ to 10 cents per lb. (down 2½ cents). OILS lower per lb. are California Orange at \$1.65 (15 cents); Florida Orange at \$1.40 (15 cents); Bary, temperalegges at \$2.25 (25 cents). terpencless, at \$3.25 (35 cents); Bots de Rose, \$4.00 (15 cents); and native Peppermint, \$6.40 (20 cents).

Pharmaceutical Chemicals

Ascorbic acid. — For pharmaceutical manufacturing use in the United Kingdom the rates (per kilo) are as follows:—1 kilo, £9 12s. 6d.; 10 kilo, £9 6s.; 100 kilo, £9.

Barbitone.—Rates per lb. are: 1-cwt. lots, 34s.; 28-lb., 35s. The Sodium derivative is 1s. per lb. more than the base.

Benzyl benzoate. — Makers' offers of B.P. grade range from 4s, per lb. for 1-ton lots to 6s. 9d. for smallest quantities.

BUTOBARBITONE.—B.P.C. is 75s. per lb. in 1-cwt. lots.

CARMINE.—Prices are from 75s. to 80s. per lb., according to quantity.

Chloral hydrate.—In 1-cwt. lots the price is from 4s. 1d. per lb. as to holder.

CYCLOBARBITONE.—B.P.C. and CALCIUM DERIVATIVES in 1-cwt. lots are 75s. per lb.; small lots from 77s. 3d. to 79s. 6d. per lb.

ETHER.—Prices of TECHNICAL, B.S.S., and SOLVENT, B.P., are reduced. Prices per lb. in winchesters are now as follows:—
10-cwt_lots_2s._3½d.; 5-cwt., 2s._4½d.;
48-lb., 2s._5½d.; 24-lb., 2s._7d. In drums prices are $1\frac{1}{2}$ d. per lb. less.

Magnesium sulphate.—Quotations for B.P. in minimum 1-ton lots vary between £17 10s. and £20 per ton, according to size of crystal and manufacturer. Exsiccated is £34 per ton.

METOL. - In 1-cwt, lots the price is 24s. 6d. per lb.; 28-lb., 25s. 6d.; 14-lb., 27s.; 7-lb., 28s.

PHENOBARBITONE.—1-cwt. lots are 34s. per lb.; 28-lb., 35s. per lb. sodium is 1s. per lb. more than above rates.

Phenol.—Basic price for B.P. in drums is 1s. 6d. per lb.

Phenolphthalein.—Rate for 1-cwt. lots is 11s. 10d. per lb.

PYROGALLIC ACID. — Pure crystals are 18s. per lb. in 1-cwt. lots.

RESORCINOL. — Price per lb. for 28-lb.-56-lb. lots is 15s. 6d.; 1-10-cwt., 15s.

ROCHELLE SALT.—Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s. per cwt.; 1-cwt., 202s. 6d. Seidlitz powder, ordinary strength is 158s. 3d. per cwt. in 1-cwt. lots; smalls, from 1s. 11d. per lb. Extra-strong is 170s. 9d. per cwt., and 2s. for small quantities. Double-strength is 178s. per cwt.

Salol, B.P.C. — Current quotations for quantities of 1 cwt. are 9s. to 10s. 6d. per lb., according to pack; 28-lb., 10s. 6d.; 14-lb., 13s. 0½d.; 7-lb., 16s. 1d.

Santonin. — Reduced. The following prices apply in the home market, including Eire:—5-kilo lots, £89 10s. per kilo; 2-4-kilo lots, £91; 1-kilo, £92 10s.; 500 gm., £94; 250 gm., £95 10s.; 100 gm., £97; smaller quantities, £98 10s.

SILVER SALTS. — NITRATE in 1,000-oz, lots is 3s. $11\frac{5}{8}d$, per oz.; PROTEIN unchanged at from 36s. 3d. to 42s. 9d. and for VITELLIN from 68s. 6d. to 76s. 6d. per lb., as to quantity.

SODIUM CHLORIDE. — Re-crystallised is 20s, per cwt.

Sodium salicylate.—Rates are: 1-ton lots in bulk, 3s. 5d. per lb.; 5 - cwt., 3s. $5\frac{1}{2}$ d.; 1-cwt., 3s. 6d. Scheduled rates in the home market for 28-lb, and under 1-cwt. are from 4s. 1d. to 4s. 6d. per lb. as to pack.

Sodium sulphate. — Maker's prices are from £10 10s. to £15 10s. per ton as to quantity for B.P. crystals.

Sodium thiosulphate. — Maker's price for 1-ton lots in paper - lined bags is £33 2s. 6d. per ton; 1-cwt. is £2 1s. 8d.

STILBGESTROL. — Quotations are from 1s. 2d. per gm. to 1s. 7d., as to quantity.

SULPHACETAMIDE.—Quotations (per lb.) are from 24s. 6d, for 1-cwt. lots to 27s. per lb. The Sodium derivative is from 30s. to 32s. 6d.

Sulphur. — B.P. precipitated is £105 per ton, or £110 per ton for 1-cwt, lots.

Tartaric acid. — Rates for the home trade are as follows:—10-cwt. lots, 245s.. per cwt.; 5-9-cwt., 247s.; 2-4-cwt., 249s.; 1-cwt., 250s.

Terebene. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. $3\frac{1}{2}$ d. to 5s. 2d. per lb.

TERPINEOL.—Prices of B.P. grade are from 4s. per lb. upwards as to quantity.

TERPIN HYDRATE. — Prices are from 7s. 6d. to 8s. per lb., as to quantity.

THYMOL.—In 28-lb. lots the price is 23s. per lb.

Crude Drugs

AGAR.—Firm. Kobé No. 1 on the spo is now about 18s. per lb.

ACONITE.—Spanish napellus is 3s. 96 per lb., duty paid, ex wharf.

Aloes.—Prime Cape is about 157s, 6d per cwt., c.i.f., and spot, 175s. Curação i from 340s. to 360s. per cwt., spot.

Anise.—Chinese star is offered on the spot at from 340s, to 350s, per cwt.

ASAFŒTIDA.—Persian block is £18 pe ewt., duty paid.

Balsams.—Canada: Spot is 27s. 6d. per lb. for clear bright, paper - filtered; for ward, 25s. 6d. per lb., c.i.f.; Copaiba Para is offered on the spot at 13s. 6d. per lb., duty paid. Peru is 12s. 9d. per lb duty paid. Tolu (genuine as imported) of the spot is 23s. 6d. per lb., in origina cases and for shipment, 22s., c.i.f.

BELLADONNA.—ROOT is from 3s, 3d, t 4s, 4d, per lb., on the spot, duty paid according to test. Leaves are from 3s, t 5s, per lb., as to test.

Benzoin.—No. 1 Sumatra block on the spot is quoted at from £27 per cwt. and for shipment, £24, c.i.f. Siam almond are from 25s, to 32s. 6d. per lb., spot., at to size.

BISMUTH. — In minimum 5-cwt. low METAL is 17s. per lb.

Buchu.—Short round leaves are offered at 2s. 1d. per lb., on the spot.

Cardamoms. — Aleppy greens for ship ment are 11s. 6d. to 12s. per lb., c.i.: and spot, 16s.

CAMPHOR. — Chinese (B.P.) powder of the spot is 3s. 9d. per lb., in bond; \(\frac{1}{2}\)-o tablets are quoted at 5s. $10\frac{1}{2}$ d, per lb., durpaid; $2\frac{1}{2}$ -lb. slabs, 4s. 9d. per lb., durpaid.

CASCARA SAGRADA. — Firm. America bark, 1951 peel, is 310s, per cwt., du paid. New crop is 315s., duty paid.

Cassia bark. — Whole on the spot 110s. per cwt., in bond; forward, 90 c.i.f.

CHERRY BARK. — Thin cut natural from 1s. 9d. per lb., duty paid, and rosse 2s. 3d., on the spot.

Cloves.—Firm. Quotations for Zan bar on the spot are 10s. per lb., a 9s. 9d., c.i.f., for shipment.

ERGOT.—New-crop offers of Portugue are 15s. 6d. per lb., c.i.f. October-Novel ber shipment. Spot supplies are 2 per lb.

GAMBOGE.—Good average Siam pipe £40 per cwt., spot.

GENTIAN. — French natural on spot 115s. per cwt., and 112s., c.i.f.

GUAIACUM RESIN.—Quotations are fr 3s. to 3s. 3d. per lb. for spot material. HENNA.—Indian green leaves are about 7s. 6d. per cwt., on the spot, and 75s., i.f., forward. Egyptian is 100s., spot.

IPECACUANHA.—Forward offers of Nicarguan, September-October shipment, are rom 41s. to 42s. per lb., c.i.f., and Colomian, 38s., c.i.f. Spot quotations are: Vicaraguan, 42s. 6d. to 44s., Colombian, 1s.

JALAP.—A parcel of Vera Cruz testing 4.6 is offered at 4s. per lb.

Kola Nuts.—African halves are available on the spot at $4\frac{3}{4}$ d. per lb., $3\frac{3}{4}$ d., c.i.f., or shipment.

Liquorice.—Natural: Anatolian whole cot on spot in London is quoted at 52s. 6d. her cwt.; Syrian is from 40s. to 42s. 6d. Block juice quotations are from 180s. upwards, according to holder, duty paid. Furkish stick is 240s. per cwt., duty paid; talian stick, 475s. per cwt., duty paid.

MENTHOL.—Unchanged. Chinese, 57s. 6d. er lb., Brazilian, 44s. 6d., both duty paid.

MERCURY. — Spot quotations are from 64 10s. to £65 per flask, ex warehouse.

MYRRH.—Aden selected sorts are quoted t £16 per cwt., on the spot. Siftings are rem £7 10s. to £8 10s., and granulated, 13.

PEPPER.—White Sarawak on the spot is bout 11s. 9d. per lb. ex wharf and 11s., i.f. October shipment. Black Malabar is 375s. per cwt. spot, and 1,115s., c.i.f., vovember shipment.

PODOPHYLLUM.—Emodi root on the spot 200s. per cwt., nominal.

SEEDS. — ANISE. — Spot, Turkish, 150s. er cwt., duty paid, and 135s., in bond. Il Cyprus has been cleared on spot. ARAWAY. — Dutch are quiet at 92s. 6d. er cwt., duty paid. Celery. — Indian is till offering at 1s. 10½d. per lb., spot ondon. French is nominal at 2s. 4d. er lb., duty paid. Coriander, — Market ontinues quiet. Spot, Morocco now offerig as low as 42s. 6d. per cwt., duty paid, d37s. 6d., in bond: Argentine splits. 7s. 6d., duty paid. Shipment, owing to le lack of demand no fresh offers have en received. Sellers quoting 35s., c.i.f. ondon. Cumin. — Little more interest lown on spot. Indian, 190s.; Cyprus, 70s.; Morocco, 180s., duty paid. Shipment, Indian, 167s. 6d.; Cyprus, 135s.; orocco, 175s. Dill. — Indian is offering t 80s. per cwt., spot London. Shiplent, quoted at 65s., c.i.f. Fennel. — dian quoted at 200s. to 205s., spot Long. Fenugreek. — Spot market quiet forocco now offered at 38s. 6d. per cwt., ty paid, ex store, London or Liverpool. siness reported for shipment at 31s. 6d., i.f., London and Liverpool. Mustard.

SENEGA.—Spot supplies are 14s. 6d. per lb., and forward offers are slightly easier at 14s., c.i.f.

SENNA. — Tinnevelly, Prime No. 3 LEAVES are 11d. per lb., c.i.f. Pods, f.a.q., are from 1s. 6d. to 1s. 9d. per lb., on the spot, and 1s. 3d., c.i.f. Alexandria handpicked Pods are from 2s. 6d. to 6s. per lb., spot; manufacturing, 1s. 8d.

SHELLAC.—Unchanged. Spot quotations are:—F.O.T.N., pure, 180s.; F.O. standard No. 1, 200s.; fine orange, 220s. to 265s. per cwt., ex-London warehouse.

Squill. — Italian white new-crop is offered from origin at 57s. 6d. per cwt., c.i.f. London. Spot is from 60s. per cwt.

STROPHANTHUS. — Kombé, 100 per cent. is quoted at 16s. per lb., on the spot, and Gratus, 27s. 6d. per lb.

STYRAX. — Spot is 7s. 3d. per lb., duty paid.

VANILLIN.—Lower. Rates (per lb.) are as follows:—5-ewt. lots. 35s.; 1-ewt., 35s. 3d.; 56-lb., 35s. 6d.; smaller quantities, 35s. 9d.

Essential and Expressed Oils

ALMOND.—B.P. is from 6s. per lb.

AMBER.—Rectified on the spot is quoted at from 1s. 6d. per lb.

ANISE. — Spot supplies are offered at from 8s. 9d. per lb., and for shipment, 8s. 4½d., c.i.f.

BAY.—W. Indian is 11s. per lb. on the spot.

BERGAMOT. — Nominal spot value is from 100s. to 105s. per lb.

BIRCH TAR.—Rectified is 14s. 6d. per lb. in 28-lb. lots.

Bois de Rose.—Brazilian on the spot is 31s, 6d, per lb.

Cade. — Supplies of Spanish are from 2s. per lb., ex warehouse, London.

CAJUPUT. — Spot supplies are offered at 22s. 6d. per lb.

CAMPHOR, WHITE. — Chinese is 3s. 9d. per lb. on the spot.

CANANGA.—Supplies to come forward are quoted at from 60s, per lb., c.i.f. Java is available on the spot at 70s, per lb.

Caraway.—English-distilled is offered at 45s.; imported oils are from 26s, per lb., for spot.

Cardamom. — English-distilled is from 425s. per lb. for spot material, and imported, 350s. per lb.

Cassia.—Spot supplies are offered from 20s. per lb.

CEDARWOOD.—Spot quotations for Kenya are from 4s. 6d. per lb.

Chamomile.—Best quality is 22s. 6d. per oz.

CHENOPODIUM. — 1-cwt. lots are 75s. per lb.

CINNAMON.—B.P. oil on the spot is quoted at from 65s, to 70s, per lb. English bark oil is offered at 22s. 6d. per oz., Ceylon leaf, 9s. 3d. per lb., spot, for 5-cwt. lots.

CITRONELLA. — Spot prices for original drums are: Ceylon, 3s. 6d. per lb.; Formosa, 3s. 8d., in bond; Java, 4s. 3d. in bond. Forward: Ceylon, 3s. 2d.; Formosa, 3s. 7d., and Java, 4s. 2d., all c.i.f., October shipment.

CLOVE.—English-distilled oil is 50s. per lb., nominal, with imported oils from 21s. 6d. Madagascar leaf on the spot is 12s. 9d. per lb., duty paid, and 10s. 9d. c.i.f., for shipment.

CORIANDER. — Russian-seed oil is 175s. per lb. Dutch-seed oil, 170s. per lb.

Cuber. — English-distilled is offered at from 50s. to 55s, per lb. Imported is quoted at 60s. per lb.

CUMIN.—Quotations for English-distilled oil are about 75s, per lb.

Dill.—English-distilled oil is quoted at about 65s, per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot. Eucalyptus.—Drum lots of 70 to 7 per cent. eucalyptol on the spot are 5s, 9c per lb., and 80 to 85 per cent., 6s, 3d.

FENNEL. — Spanish sweet on the spois quoted at from Ss. 6d. to 9s. per lb.

GERANIUM. — Bourbon on the spot if from 78s. to 80s. per lb.

GINGER. — English-distilled oil is from 120s, to 150s, per lb., as to grade. In ported oils are available at from S5s, pelb., as to quantity.

Lemongrass. — Forward quotations at 6s. 10½d. per lb., c.i.f., and spot, 7s. 3c per lb.

Peppermint.—Arvensis, Chinese oil firm on the spot at from 37s. per Il Japanese, 36s.; Brazilian, 17s. to 18s. 3 as to holder. Italian "Mitcham" typoil, 54s. per lb. for original drums, spo and 50s., c.i.f., forward.

PINE.—Pumilionis on the spot is quote at from 18s. to 20s. per lb.; sylvestris at about 11s. per lb., and Siberian (abieti is from 18s. to 20s. per lb., duty pai as to holder.

SASSAFRAS.—Brazilian natural is offeing at from 6s. 6d. to 7s. 6d. per lb., dupaid, according to grade.

CENSUS OF PRODUCTION REPORTS

Census of production reports have been published recently by H.M. Stationery Office on the industries named below. In interpreting the data, attention should be paid to the qualifications mentioned in the reports and in the separate booklet, "Final Reports of the Census of Production for 1948: Introductory Notes."

Coal Tar Products

The final report on coal tar products (2s. 6d.) shows that the total "make" of phenol crystals and liquefied phenol (equivalent crystal phenol content) by eleven larger establishments in the coal tar products trade in Great Britain in 1948 was 50.6 thousand cwt. In 1937 and 1935 the figures were 26.9 and 28.9 respectively. The "make" in all trades in 1948 by fourteen larger establishments was 117.3 thousand cwt. And in 1935 production for sale was 79.7 thousand cwt. Sales of coal-tar disinfectants, antiseptics and sheep and cattle dips and dressings by larger establishments in 1948 amounted to 62.5 thousand cwt., valued at £121,000. Sales of other disinfectants, antiseptics, insecticides, weed killer, sheep and cattle dips and like products in the trade in 1948 amounted to 53.6 thousand cwt. valued at £125,000. Production of disinfectants, antiseptics, insecticides, wee killer, sheep and cattle dips and like products by larger establishments in the traction 1937 was 158.9 thousand cw (£202,000); and in 1935 was 142.4 thousand cwt. (£150,000).

Milk Products

Sales by twenty-one larger establis ments in Great Britain in 1948 of infan and invalids' foods, not specifically med cinal, milk based but containing less the 90 per cent. milk powder, includir malted milk, totalled 87.2 thousand cw valued at £1,894,000. Comparable pr duction value figures for the United Kin dom were £1,126,000 in 1937 £807,000 in 1935. Sales of lactose Great Britain in 1948 by five larger esta lishments amounted to 52.4 thousand cv (£280,000). Sales in 1948 of infants' a invalids' foods, not specifically medicing milk based but containing less than per cent. milk powder, including malt milk, by fifteen larger establishments Great Britain classified to other trac were 0.5 thousand cwt. (£299,000). T milk products trade in Great Britain 1948 purchased 123,183 million interi tional units of vitamin concentrates valu at £7,000.

MEDICAL ABSTRACTS

Vitamin K as an Anticoagulant Antagist. — Toohey ("British Medical Jouril," 1952.2.687-90), found in observations
eighteen patients who had a severe prorombin deficiency caused by anticoagunt drugs, that a single dose of 500 mgm.
vitamin K₁ restored a safe prothrombin
vel. The effect was seen within eight
ours.

Streptomycin for Ambulant Patients .-(senior medical registrar, Pap-Village Settlement, Cambridge) rth British Medical Journal," 1952.2.644-57) scribes treatment given to twenty-four bulant tuberculous patients at the tlement. Streptomycin, I gm., intramusarly daily for ninety days, and para inosalicylic acid, 14.1 gm, in tablet and thet form concurrently, was given at t streptomycin later being reduced to m, twice weekly for twenty-six days, In enty-three cases the sputum was converfrom positive to negative, and in fourn it has remained negative for up to years. No toxic symptoms developed the usual abdominal symptoms due PAS were less than in bed patients. author discussed the results as applied the problem of employable chronic ients who "so commonly" attend chest

itamin B₁₂ Dosage.—After comparing r extract and vitamin B12 injections as ntenance treatments in pernicious mia, Blackburn and others ("British lical Journal," 1952.2.245-48) recomd for all pernicious anæmia patients have no neurological involvement a ntenance dose of at least 50 μ gm. of min B_{12} per fortnight. Twenty-two min B₁₂ per fortnight. ents who had been previously treated liver extract for long periods were on vitamin B₁₂ for two years. treated with liver extract only and with vitamin B₁₂ only since they beill. Of the first group eleven patients ed a significant increase in hæmogloconcentration and only one a signifidecrease in the red cell count. nts receiving liver extract only were d to have significantly lower hæmon concentrations and red cell counts those receiving vitamin B₁₂ only.

six patients who began continuous one-acetate therapy for rheumatoid itis twenty-one months ago, three are one is in a worse state than when

she started treatment, and two are dead," write West and Newns in the "Lancet" (1952.2.515), in a report on clinical trials made partly with material given to the Medical Research Council and Nuffield Trust by the manufacturers (E. Merck & Co., Rahway, N.J., U.S.A.). From the observations, of themselves and others they conclude that amounts of 50-75 mgm. given daily for periods up to twenty-one months do not upset normal function in women of child-bearing years; that the maximum dose for women after the menopause should be 75 mgm.; that cortisone should not, in the present state of knowledge, be given with high-protein diet in amyloid disease; that the drug, when given intramuscularly in daily amounts of 50 mgm., does not prevent the healing of a bleeding ulcer; and that an average dose of 50 mgm. a day did not lead to any demonstrable abnormality in the adrenal cortex of a man aged forty-eight.

Cough Suppressants Evaluated .- An investigation into the potency of cough suppressants in common use has been carried out by Hillis (assistant in the department of materia medica and therapeutics, Glasgow University) ("Lancet," 1952.1. 1230-35) using standard cough stimuli with the help of an apparatus for spraying irritants into the larynx. One subject was observed in three series of trials lasting about a year. The irritants chosen were peppermint water B.P. (weak stimulus) and ether (strong stimulus). The cough suppressing potency of drugs was assessed by subtracting the number of coughs produced from a given type of stimulus after the drug had been given from the number produced before administration and multiplying by 100. Suggestion was found to have a considerable effect in suppressing coughs, as evidenced by the fact that 1 mil of physiological saline injected subcutaneously gave an efficiency index of 37. The psychological effect tended to diminish however as the stimuli became stronger. Among the data found by the tests were (a) that codeine even when injected had an effect no greater than the psychological; (b) heroin under the experimental conditions was the most effective cough suppressant tested; (c) morphine had a definite cough suppressing action, as had (d) amidone, in most of the tests. No significant suppression of coughs was given by a hypnotic with no known action on coughing (pentobarbitone).

TRADE MARKS

From the "Trade Marks Journal," September 24

For preparations for the hair and sachets for waving the hair (3).

TOP SECRET, 707,696, by Robert Campbell, Chilwell.

For hair cream (3).

WARDA, B708,663, by Coulmac, Ltd., Liverpool.

For soaps and non-medicated toilet preparations

CHUKKA, 709,141, by P. Fisher & Sons, London, S.W.3.

For pharmaceutical, veterinary and sanitary substances, and disinfectants (5).

BAYER, and circular device of BAYER, 696,983-85, by Bayer Products, Ltd., London, W.C.2.

For sterilising and sanitising preparations, and vitamin preparations for addition to animal feeding stuffs (5).

COOPER PRODUCT and heraldic device, 702,943, by Cooper, McDougall & Robertson, Ltd., Berkhamsted.

For pharmaceutical preparations containing vitamins and natural oil of orange in tablet form (5). VITORANGE, 707,698, by Thos. Guest & Co., Ltd., Manchester.

For amphetamine multivitamin troches (5).
ADJUDETS, 708,120, by Wyeth Incorporated,
Philadelphia, U.S.A.

For all goods (5).

CYTOLATE, 708,832, by Glaxo Laboratories, Ltd., Greenford. MYCIGUENT, 709,255, by Upjohn of England, Ltd., London, E.C.2.

For pharmaceutical preparations (5).

MYAVAN, 708,907, by Nepera Chemical Co., New York. CAPESTROL, 709,143, by The Wellcome Foundation, Ltd., London, N.W.1. DUOSTAB, 709,571, by Boots Pure Drug Co., Ltd., Nottingham. SOXISOL, 709,612, by Willows Francis Pharmaceutical Products, Ltd., London, E.8.

For infants' and invalids' foods (5).

VAVITA, 709,389, by White, Tomkins & Courage, Ltd., London, E.C.3.

For antihypertensive agents being pharmaceutical preparations (5).

BISTRIUM, 709,448, by E. R. Squibb & Sons, Ltd., London, W.1.

For veterinary preparations (5).

DILOPTEN, 709,755, by Merck, Darmstadt, Germany.

For scissors, nail files, nail clippers, pocket knives, razor blades and razors (8).

AMA, 703,261, by G. É. Betterton & Co., Ltd., London, W.C.1.

For hypodermic injection appliances (9).

HYPOFIL, B709,455, by E. R. Squibb & Sons, Ltd., London, W.I.

For soap and sponge baskets, toilet paper holders, and liquid soap dispensers (21).

VALBACHROME, 700,727, by Valbania, Ltd., London, S.W.8.

From the "Trade Marks Journal," October 1.

For chemical products containing chlorophyll (1)
Four leaf device, 708,629, by the Allen Chlor
phyll Co., Ltd., London, N.I.

For chemical products containing antioxidants as synergists for use as preservatives or stabilisers (NIPANOX, 709,501, by Nipa Laboratories, Ltc London, E.C.3.

For alkalis used in manufacture (1)

CARP, 709,570, by Magadi Soda Co., Lt. London, S.W.I.

For fertilisers (1)

LUXIGRO, 709,938, by the County Chemic Co., Ltd., Birmingham.

For industrial chemicals (1)

WAROLAT, WAROPAL, 709.834, by Farbershriken Bayer, Leverkusen, Germany.

For hair shampoos, hair-brightening preparatio and hair dyes (3).

EVANOL, 689,991, by Evanol, Ltd., Londo N.5.

For perfumes, perfumed soap, cosmetics, non-me cated toilet preparations and toilet articles (3) DORVILLE, B707,719, by Dorviglia, Ltd., L don, W.1.

For toilet soap (3)

GAYTIME, 709,327, by James Linday & Sc Ltd., Nottingham.

NEW GERMAN PROPRIETARIES

THE following information from German phar ceutical periodicals gives details of recently in duced proprietary specialities.

PERIVAR TABLETS (each containing sparteine phate, 0.75 gm.; rutin, 0.005 gm.; vitamin vitamin E, calcium glycerophosphate), for vari conditions. Dosage: I tablet, four times di Made by Curta & Co., Weilheim i. Obb, Be (Dtsch Apothekerztg, March 28).

HEPSAN (5 mil ampou'es each containing sod a acetylmethioninate, 1.25 gm. and choline acemethioninate, 0.25 gm.) for liver disorders, 2-age: 2-3 falling to 1-2 ampou'es daily, no by Chemische Werke Minden GmbH., Min Westphalia (Dtsch Apothekerztg, March 3).

PLACENTAN (total liposoluble active substance fresh human p'acenta in a hydrous ointment l 1 gm. ointment=6 gm. fresh placenta) for or regional influence of primary or secon circulatory disorders. A local hyperæmia is duced. Issued in tubes of 20 gm. by Dr. Ma & Co., Cologne (Apothekerztg, February, 195

VISCOPHYLL (viscum album, chlorophyll, Fvesiculosus) for hypertension of old age, art sclerosis and accompanying affections of the (insomnia, neuralgia, vertigo). Dosage: 30 d three times a day, with a table-spoonful of v or tea. Issued in dropper bottles of 50 gm Gehe & Co., A. G., Munich (Apotheke February, 1952).



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